The
CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

AUGUST 29 1959

Get ready for a record
White Fire Christmas

This year's Christmas presentation features an
e-catching, gold-embossed sunburst cover for all
White Fire gift sets. These brilliant, lovelier-than-ever
packs will outstrip even last year's record-making sales



GROSSMITH
41-46 PICCADILLY, LONDON W1



FULL COLOUR ADVERTISING
IN LEADING
WOMEN'S JOURNALS
THROUGHOUT THE
YEAR SELLS
WHITE FIRE





QUALITY

in White Flint

GLASS CONTAINERS

RECTANGULAR TABLET BOTTLES

Nos. 1 to 6 sizes

OVAL TABLET BOTTLES

Nos. 1 to 7½ sizes



SCREW CAPS (*White enamelled tinplate, Satin finish aluminium and Black plastic*) *are available for all sizes.*

Prompt delivery from stock

Packed in easily handled cartons

WHOLESALE ONLY

NATIONAL GLASS WORKS (YORK) LTD.

FISHERGATE, YORK. Tel. YORK 23021

ALSO AT: CAROLINE HOUSE, 55-57 HIGH HOLBORN, LONDON, W.C.1. Tel. HOLBORN 2146

★ **AMBER BOTTLES.** We can now offer certain types of glass containers in Amber and your enquiries are invited.

TRADE MARK

First Class in GLASS

Selling Agents in Northern Ireland: Magowan, Vicars (Chemicals) Ltd., 64/66 Townsend Street, BELFAST. Telephone: Belfast 29830

TWO-IN-ONE GLAMOUR MATCH!

TO SPARK OFF BRIGHT NEW COSMETIC SALES!



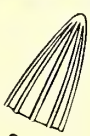
Misslyn

FROM ITALY A MARVELLOUS SALES-MAKING COSMETIC

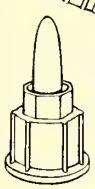
Customers will be excited about this high-gloss, long-lasting nail polish. 45 fascinating colours. **Exceptionally fast-drying.**

Matching lipstick allure in the bottle cap—a two-in-one winner.

STOCK & FEATURE FOR A BRILLIANT BUSINESS FUTURE!

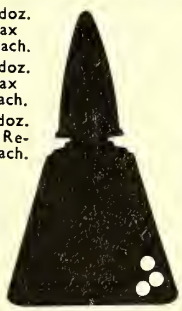


Cream **30/-** per doz. 50% purchase tax Retail Price **5/-** each.
Pearl **45/-** per doz. 50% purchase tax Retail Price **7/6** each.
Lipstick **69/-** per doz. 50% purchase tax Retail Price **11/6** each.



Lipstick Refill **39/-** per doz. 50% purchase tax Retail Price **6/6** each.

lipstick right in top of cap



ball bearings in bottle keep polish mixed, clog-free

Sole Distributors in the U.K.

GEORGE SPENCER & SON LTD

420 KYNANCE PLACE · GLOUCESTER ROAD · LONDON · SW7



Color-Glo
is ringing up more profits each week than any other Hair Colouring

COLOR-GLO has created a new fast-growing market for semi-permanent hair colouring. COLOR-GLO is safe, simple and effective to use. Natural-looking with no risk of extreme results. That's why it sells better than any other hair colouring. When women see you've got COLOR-GLO they'll buy. And be back—regularly—for more. So don't just stock COLOR-GLO, display eye-catching COLOR-GLO packs and showcards—and link up with the biggest ever COLOR-GLO advertising campaign

And now...
an even wider market with
BLACK TULIP (Deep Burgundy)
A new shade for dark hair giving a beautiful, deep, mahogany tone

Biggest ever Color-Glo advertising is this year reaching over 17,000,000 women

Color-Glo
TRADE MARK

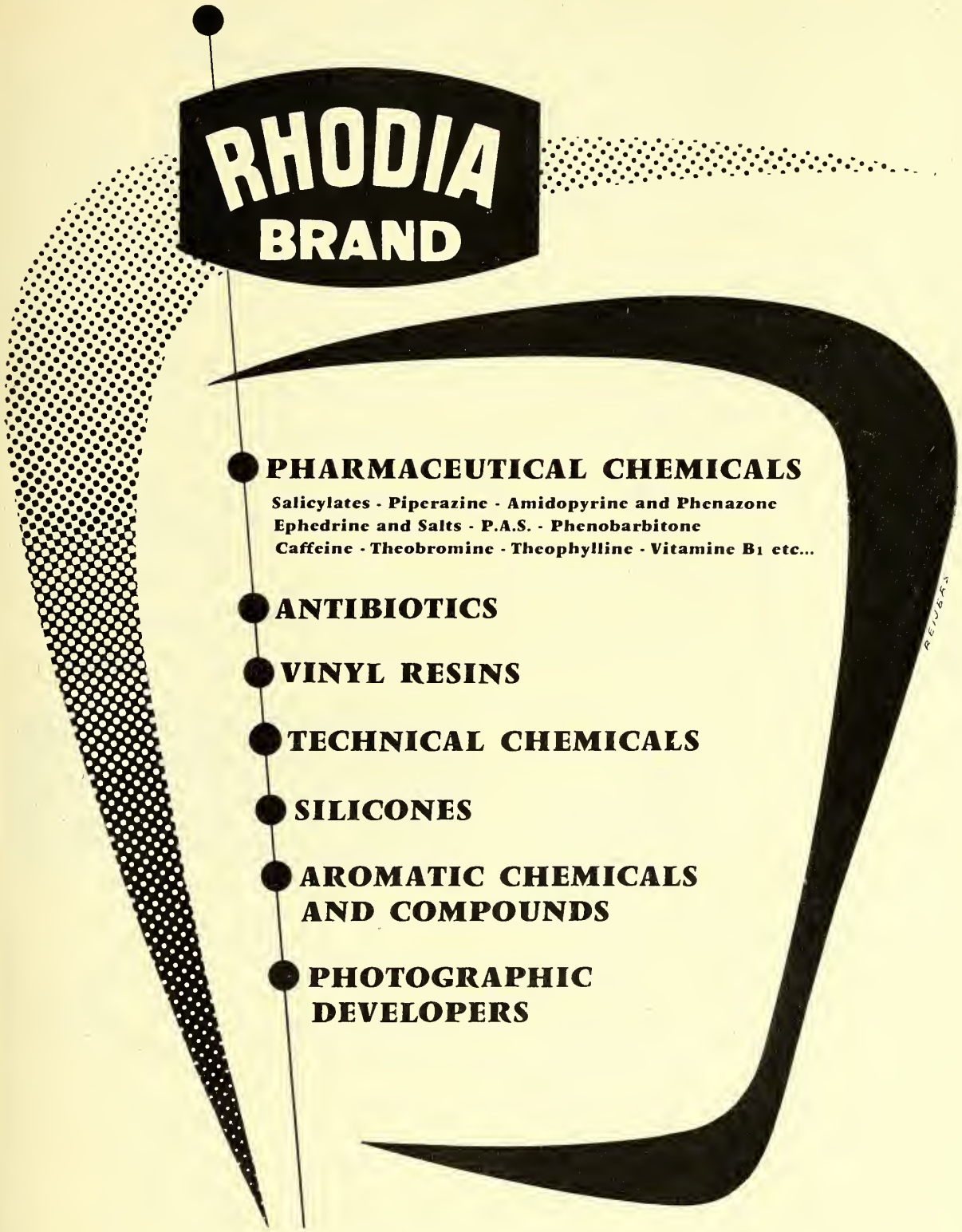
SEMI-PERMANENT HAIR COLOURING

The effect lasts through 6 to 8 shampoos

A creation of L'OREAL · PARIS

GOLDEN LIMITED · 7 GROSVENOR STREET · LONDON W.1 · HYDe Park 1671/6

Republic of Ireland enquiries to Lilmar Pharmaceuticals Limited, Santry, Dublin.



Societe des Usines Chimiques Rhone-Poulenc. Paris

United Kingdom Distributors

R. W. GREEFF & Co. Ltd.

LONDON

Our Export Offer

Finest toilet soaps
also cheapest qualities
any kind of washing soap
eau-de-cologne and
lavender water, perfumes

You are invited to write for our catalogue

VEB RUMBO SEIFENWERK
FREITAL/Sa
GERMAN DEMOCRATIC REPUBLIC

Now colds are rampant

HELP YOUR CUSTOMERS

Recommend Besorbon the fast acting medicinal snuff. In normal cases, Besorbon alleviates the worst cold miseries in hours.

COMPLETELY PURE

Besorbon is a pure medicinal snuff. It contains no tobacco. Is hygienically packed complete with full instructions.

FREE UNIT

Stock Besorbon by the dozen and obtain the attractive counter unit free. Display it now and get your share of impulse sales that must otherwise pass you by.

It's big selling for

BESORBON

(REGD. TRADE MARK)

MEDICINAL SNUFF

Kemsales Ltd., Eastcheap, London, E.C.3



JOEY'S
TOP QUALITY
BIRD FOOD

Sole Agents for the Chemist Trade

Sangers LIMITED

& Associated Companies

BURROUGH'S
ABSOLUTE ALCOHOL
JAMES BURROUGH LTD. 1 CALE DISTILLERY LONDON S.E.11

TRADE **'VERLOG'** MARK
SURGICAL ELASTIC HOSIERY
Belts, Trusses, Suspensory Bandages, etc.
ATHLETIC SUPPORTS
Knee Caps, Anklets, Jockstraps
THOS. GLOVER & SON, LTD., CARLTON, NOTTINGHAM
Tel.: 58227 (2 lines). 'Grams: Verlog, Nottingham

NORTHERN POLYTECHNIC
HOLLOWAY, LONDON, N.7

Recognised Day courses for the Intermediate PHARMACEUTICAL and 1st Medical Examinations. Evening courses for the 1st Medical Examinations. Day and Evening Courses in CHEMISTRY, PHYSICS, MATHEMATICS, GEOLOGY, BOTANY and ZOOLOGY for Internal and External DEGREE EXAMINATIONS of the University of London. Facilities for post-graduate research in chemistry.

New Session begins 28th September, 1959

Prospectus free on application. Tel: NORTH 1686

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*XYLOTOX Lignocaine SOLUTIONS.....

*XYLOTOX Lignocaine JELLY.....

*XYLOTOX Lignocaine PASTES...

And now.....

*XYLOTOX ORAL

(containing lignocaine hydrochloride)

A palatable and viscous preparation for the alleviation of a variety of conditions of the upper digestive tract and of the stomach. Supplied in 200 ml. bottles and taken orally.

- **EFFICIENTLY ANAESTHETIC**
- **PLEASANT TO TAKE**

Xylotox Oral, as well as all the other preparations in the Xylotox range, is being actively advertised and detailed to the Medical Profession.

Available through your wholesaler or direct from the Manufacturers:

PHARMACEUTICAL MANUFACTURING COMPANY

The Local Anaesthetic Specialists **Ashley Road, Epsom, Surrey**

* trade mark

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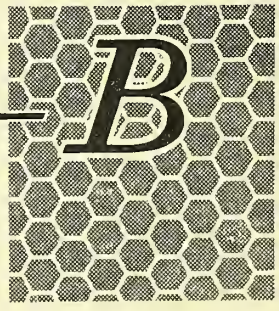
ROYAL JELLY *Again in the news!*

NOW . . . a vital new formula containing

EIGHT ESSENTIAL VITAMINS

and ROYAL JELLY in Capsules

rezesta-B



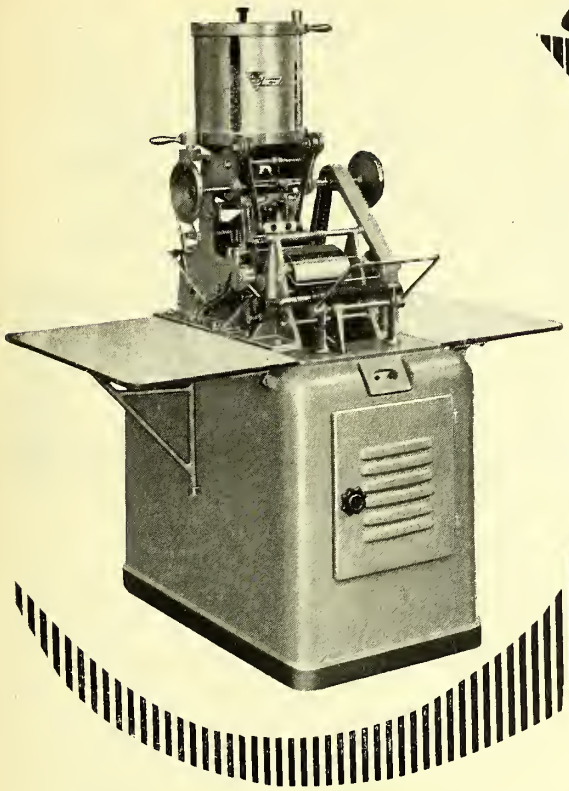
An important natural diet supplement stimulating the metabolism and re-invigorating the living organism. Royal Jelly is widely used for its contribution to stamina and well-being. In all parts of the world people have taken to it as a revitaliser, as a tonic and rejuvenator. It is recommended for general fatigue, for the convalescent, the "run-down" and the dispirited. In countless cases it has restored vigour, energy, well-being, optimism and health.

Agents and Distributors wanted in all countries

Sole Manufacturers:-

TOM E. HOBSON LIMITED, LONDON, S.W.19

46 CROOKED BILLET, LONDON, S.W.19. WIMbledon 0402



Printing

Sugar Coated Tablets protects you from interchanging and falsification!

Sugar Coated Tablet
Printing Machine
TYPE **DB**

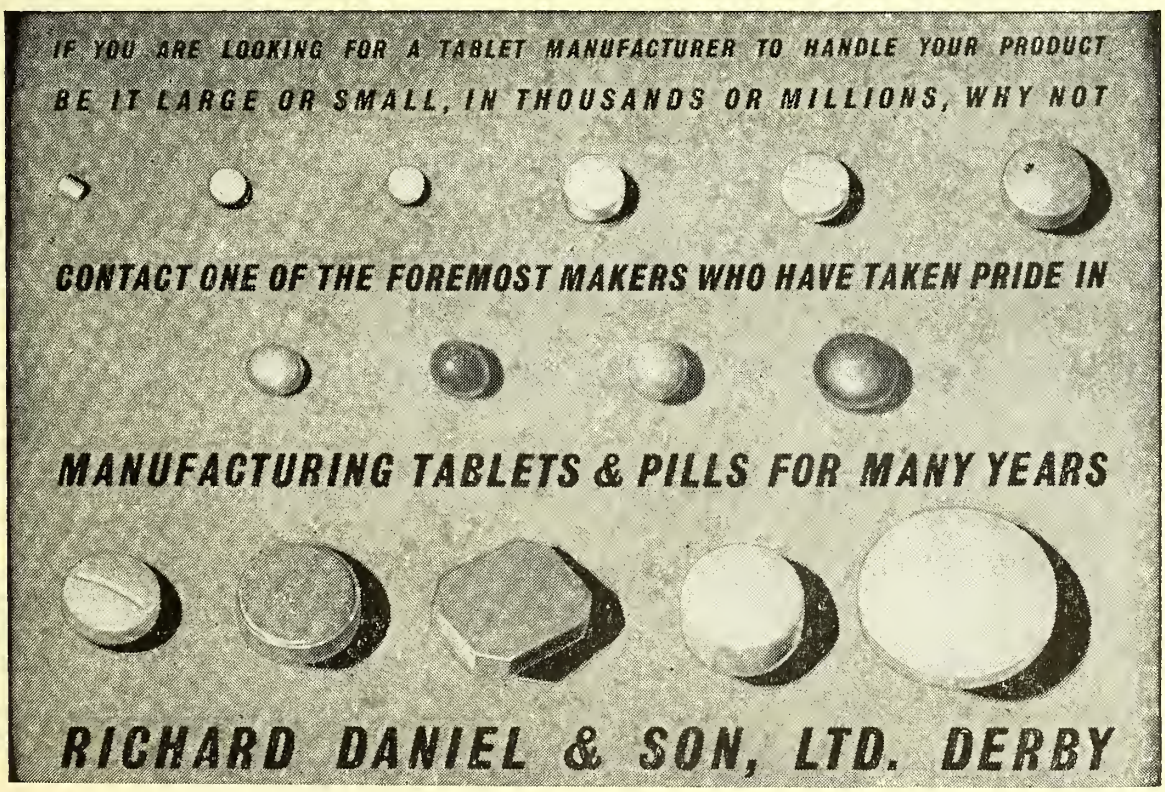
Haurly capacity: 60,000 pieces
as well as: 130,000 pieces

This machine is aperating an the
PACKAGING EXHIBITION Landan
fram 8th - 18th Sept. 1959
Grand Hall, Ground flaar A 14

H. STRUNCK & CO

specialized engineering warks, COLOGNE - EHRENFELD

Represented in Great-Britain by Messrs. Guest Industriats Ltd.
81, Gracechurch Street, Landan E. C. 3



Write us at Mansfield Road or ring Derby 40671 (Ten lines)

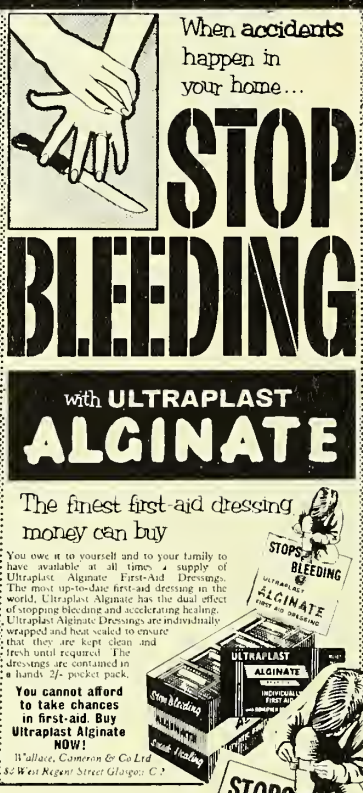
ULTRAPLAST ALGINATE ADVERTISING

DAILY MIRROR

CIRCULATION OV R 4,500,000

On 8th September a powerful front page advertisement will appear in this large circulation morning paper. The Daily Mirror has a readership of over 13 million.





TV

LONDON, Midlands & North, SCOTLAND

LONDON A Series of 22 flashes will appear on Television after 6 p.m. between September and December.

MIDLANDS, NORTH and SCOTTISH TELEVISION— Advertisements will also appear on Midlands, Yorkshire, Lancashire and Scottish networks.

PRESS: **EIRE** A press campaign will commence in the 'Irish Independent' in mid September.
NORTHERN IRELAND—Starting in mid September the 'Belfast Telegraph' will be used to promote Ultraplast Alginate.



Wallace, Cameron & Co. Ltd.,
83 West Regent Street, Glasgow, C.2 *Tel: Douglas 8078*



WE'RE putting a lot of publicity behind the 'Alkathene' label. We want to make it a 'decisive factor' when women go shopping. Our campaign comprises colour pages in the women's magazines, 30-second T.V. commercials and a 2 minute colour film.

It certainly pays you to sell houseware made from 'Alkathene'. 'Alkathene' labelled goods offer good profits plus satisfied customers plus an assured outlook for quality polythene sales.

To meet the growing demand, make sure you have plenty of goods labelled 'Alkathene'. Display them well and cash in on this vigorous publicity drive.

FREE DISPLAY MATERIAL

to link your shop with 'Alkathene' national advertising, available on application through your usual trade channels or direct to Publicity Dept., Plastics Division, Imperial Chemical Industries Ltd., Welwyn Garden City, Herts. Shelf cards can be obtained from individual manufacturers.

'Alkathene' is the registered trade mark for the polythene manufactured by I.C.I.

IMPERIAL CHEMICAL INDUSTRIES LIMITED · LONDON · S.W.I

ICI

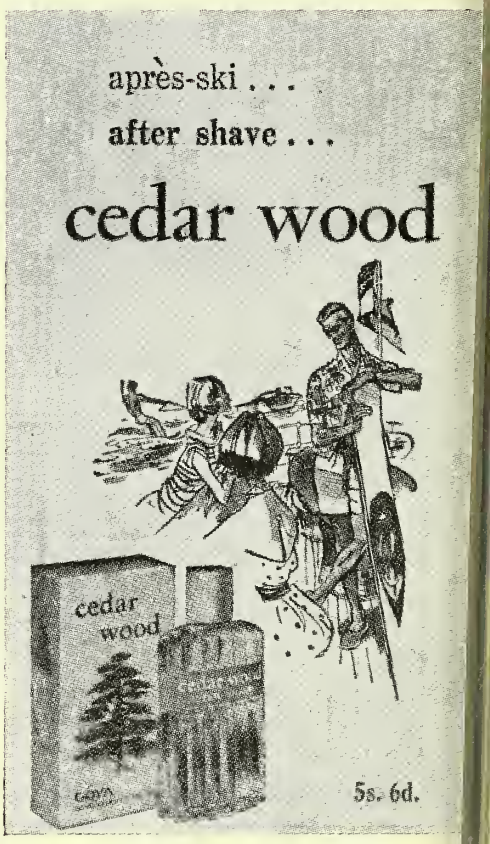
AH.40

B

cedar

SELL IT
NOW

profit from
this weekly advertising
in Daily Express



wood

SELL IT FOR CHRISTMAS

profit from
his full range of coffrets.
No box charges.

GOYA · BOND STREET · LONDON





SUBA-SEAL NATURAL

BOILABLE FEEDING BOTTLE

in unbreakable polythene



YOU CAN BOIL IT - YOU CAN'T BREAK IT!

It's the baby-feeding bottle mothers have been waiting for . . . the bottle which will meet with an enthusiastic reception and sure demand from mothers everywhere, including those among your customers.

Retail Price: 8 oz. 1/11 4 oz. 1/8

This highly practical bottle is the latest addition to a wide range of well-designed, well-made Suba-Seal Natural nursery products, including.

- ★ STAYWARM BABYFEEDER - keeps feed warm up to 4 hours
- ★ MINI-FEEDER - for giving medicine or syrup to babies
- ★ SUBA-SEAL NATURAL HEAT MOULDED AND LATEX FEEDING BOTTLE TEATS
- ★ SOOTHERS AND TEETHING TRAINERS
- ★ SUBA-LUXE COT HOT WATER BOTTLE covered ocelot fabric, for pram or cot.

Manufactured by:
WILLIAM FREEMAN AND COMPANY LTD., Suba-Seal Works, Peel Street, Barnsley, Yorks. Telephone Barnsley 4081

Scotties window display competition

Bowater-Scott congratulate the winners!

Bowater-Scott have pleasure in announcing the winners of this popular competition, for which a large number of entries was received. Chemists were asked to set up, and to maintain for two weeks, a display for Scotties which was both original and hard-selling. Black-and-white photographs were submitted to a panel of judges which included TV personality Elizabeth Allan; Owen H. Waller, Editor of the *Chemist & Druggist;* international exhibition designer James Gardner; and W. R. Whitfield Landers, Marketing Consultant to the Advertising Agency for Scotties. The winners are given below—

1st PRIZE: a fabulous V.I.P. holiday for two in New York

H. Ridehalgh, M.P.S.,
712 Wimbourne Road, Bournemouth, Hampshire. (*Southern Region*)

2nd PRIZE £200

Boots Cash Chemists Ltd.,
Market Street, Blackpool, Lancashire.
(*North-Western Region*)

3rd PRIZE £50

Boots Cash Chemists Ltd.,
84 High Street, Shirley, Southampton.
(*Southern Region*)

65 Regional Cash Prizes. 1st Prize £25, 2nd Prize £10, 3rd Prize £5

GREATER LONDON REGION

1st Prize Boots Cash Chemists, Ltd., 66 The Broadway, Wimbledon, S.W.19.

2nd Prize R. Morton-Cameron, Ph.C., Plashet Pharmacy, 174 Plashet Rd., Upton Park, E.13.

3rd Prize Boots Cash Chemists, Ltd., 182 Regent St., London, W.1.

SOUTHERN REGION

1st Prize Davis & Davis (Malden), Ltd., 78 Malden Rd., New Malden, Surrey.

2nd Prize Trimming Willis & Co., Ltd., Alton, Hampshire.

3rd Prize C. E. Beveridge & Co., Ltd., 33 Pattens Lane, Chatham, Kent.

MIDLAND REGION

1st Prize Boots Cash Chemists, Ltd., 36 Queen St., Cardiff, Glamorganshire.

2nd Prize Bannister & Thatcher, Ltd., 4 Whitehall Rd., Great Bridge, Tipton, Staffordshire.

3rd Prize Peter B. Richardson, 193 Kettering Rd., Northampton.

NORTH WESTERN REGION

1st Prize Peter S. Walker, 44 Bond St., Blackpool, Lancashire.

2nd Prize Boots Cash Chemists, Ltd., Royal Exchange Buildings, Market St., Manchester.

3rd Prize Boots Cash Chemists, Ltd., 95-97 Regent Rd., Salford, Manchester.

NORTHERN, SCOTTISH & IRELAND REGION

1st Prize Lochgelly Co-operative Society, Ltd., 15 Benarty Square, Bellingry, Fife.

2nd Prize J. Montgomery, Chemist, 2 Eden Terrace, Sunderland, County Durham.

3rd Prize W. H. Mitchell, The Pharmacy, Kennoway, Fife.



"Quality approved by Scott Paper Co. owners of the T.M. Scotties"

Ten consolation prizes of 1 guinea have been awarded in each Region.
A full list of the names and addresses of all prize winners is available on application to Bowater-Scott Corporation Limited, Bowater House, Knightsbridge, London, S.W.1.

A new reconstructive tonic ...

LAEVOTONINE

containing laevulose (fructose)

LAEVOTONINE is a highly palatable reconstructive tonic, simple in its formulation but positive in its energizing and stimulating action on the vegetative nervous system.

The energizing principles of LAEVOTONINE are derived from Sodium dihydrogen phosphate in combination with readily assimilated laevulose, while the well established properties of Caffeine, Arsenic, Manganese and Strychnine act synergistically in producing an overall therapeutic effect, in restoring appetite and stimulating mental and physical activity.

INDICATIONS
During convalescence, neurasthenic syndromes, anorexia and general debility.

FORMULA
Each 100 ml. contains:—

Fructose	41 G.
Sod. Dihydrogen Phosphate	3.0 G.
Caffeine	0.5 G.
Strychnine Nitrate	4.5 mg.
Arsenic Trioxide	10.0 mg.
Manganese Chloride	20.0 mg.

LAEVULOSE
a readily assimilated sugar produces threefold glycogenisis in the liver.

PHOSPHORIC ACID
essential part of the nerve cell nucleus.

CAFFEINE
checks undue mental fatigue.

ARSENIC
Stimulates appetite.

MANGANESE
an integral part of the oxygen transmitting enzymes.

STRYCHNINE
increases muscle tonus.

PRESENTATION
Bottles containing 4 fl. ozs. Trade Price 4/4d + 1/1d P.T.
Bottles containing 40 fl. ozs. (DISPENSING PACK) Trade Price 32/6d exempt P.T.

CALMIC *purely British pharmaceuticals*

CALMIC LIMITED, CREWE, CHESHIRE. Tel. CREWE 3251/7

LONDON, 2 MANSFIELD STREET, W.1. Tel. LANgham 8038/9

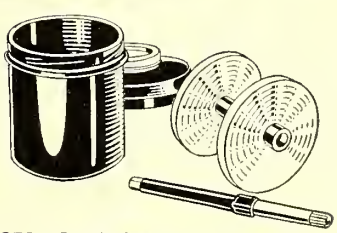
What's developing in the 'dark room' ?

Big sales ! Steady, right-through-the-Autumn Sales !
The ' dark room ' days ahead will be profitable for the dealer who stocks these famous Johnson accessories—known and trusted by all ' develop-it-yourselfers '

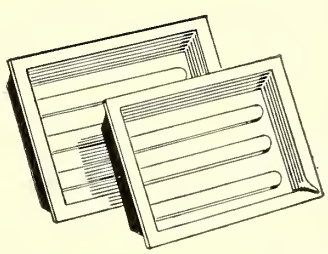
JOHNSONS
OF HENDON LTD



JOHNSON Chemicals. A complete range of developers, fixers and sundry preparations for photography all attractively presented and extensively advertised. Popular lines include UNITOL concentrated fine grain developer, Universol M-Q developer and FIX-SOL concentrated fixer.



' **ROTO** ' Developing Tanks. Two sizes, both adjustable. Roto-One for 120 to 35 mm. (20 expos.), Roto-Two 116 to 16 mm. the latter taking two films at once. Rotary or inversion agitation. With full instructions.

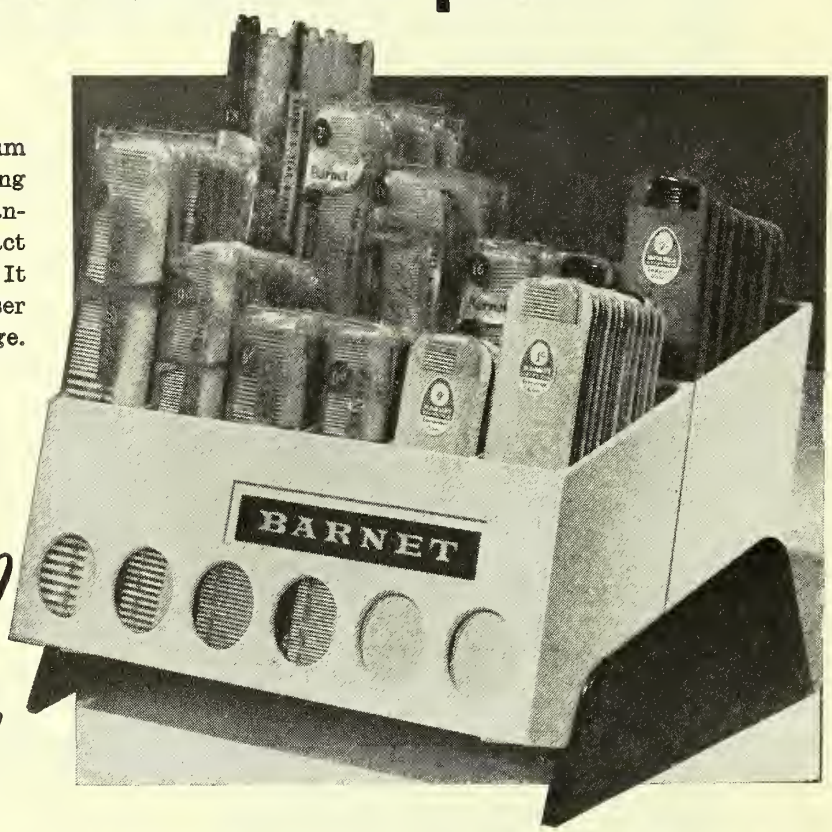


VOGUE Triple Purpose Dishes. In sets of three, separately coloured: Orange, grey, white. Easily identifiable for each processing job. Strongly moulded in plastic, in half-plate and whole-plate sizes.

FOR CONFIDENCE IN PHOTOGRAPHY

You stock combs as part of your service . . . make it a PROFITABLE part

We show the Barnet Magnum R.30 Bonus dispenser, giving a complete range of guaranteed combs in one compact unit with free bonus dozen. It is one of eleven dispenser cabinets in the Barnet range.



Sell

BARNET COMBS

and refill your cabinets for up to 72% PROFIT

Your wholesaler can give you the best service in the country for Barnet cabinets and highly profitable refills from the largest range in the world.

ORDER FROM YOUR USUAL WHOLESALER

E. R. HOLLOWAY SALES LIMITED
BESSEMER RD., WELWYN GARDEN CITY, HERTS.
TELEPHONE: WELWYN GARDEN 4444

The Sweet Smell of Success

Cash in on the tang of

Tabac!



9 out of 10 men prefer TABAC

9 out of 10 women prefer the men who prefer TABAC

Personality TABAC has an irresistible appeal to men and women alike.

BIG PROFIT MARGINS TO YOU!

Personality Tabac

The men's luxury range at the popular price
Suits every man's personality

Not obtainable from wholesalers

LOCAL ADVERTISING SUPPORT

MANUFACTURED BY PERSONALITY · ASHBY-DE-LA-ZOUCH · LEICESTERSHIRE

C

Warmabed

sales *leap* ahead!

NOW WARMABED PLAN TO BEAT ALL RECORDS

Last year's sales were way ahead—and this season's bigger-than-ever advertising campaign will break the records again. Note these powerful selling points:

- **FULL 60-in. LENGTH**
- **ISOLATED ELEMENTS**
- **LONG, HEAVY FLEX**
- **SALES-APPEAL PACKS**

AND **POPULAR PRICES**



GOLDEN REST MODELS

in soft brushed golden cotton with satin binding to match, polythene wrapped in a gay attache-case pack. Single size 60″ × 28″ **£4.7.4.** Double size 60″ × 44″ **£6.11.0.**

DE LUXE MODELS

in 100% pure wool, four pastel shades with satin binding to match. A super quality blanket that's a best seller in its exclusive zip plastic storage case and strongly boxed. Single heat models: single size 60″ × 28″ **£8.10.0**; double 60″ × 44″ **£12.5.7.** Three heat models **£9.8.10** and **£13.13.10** (all prices including PT).

FREE SHOWCARDS, LEAFLETS, BLOCKS
direct from the manufacturers
Modern Electrical Industries Ltd.,
Knottingley, Yorkshire.

Tie up with Warmabed
for another record year

THE FASTEST-SELLING SHAMPOO IN YOUR SHOP

✻ BIGGEST ADVERTISING

Silvikrin Liquid Shampoo is by far the most heavily advertised shampoo in Great Britain. And what advertising—strong, striking and lively! And what coverage—ALL T.V. stations and frequent large colour spaces in big circulation women's magazines. Your customers are seeing this advertising day in day out.

✻ BIGGEST SALES

And no wonder! Chemists sell more Silvikrin Liquid Shampoo sachets than any other—*nearly one third as much again as the next competitor in the field.* There's *no* other shampoo, in any other pack, that comes anywhere near the Silvikrin Liquid Sachet for big, *fast* sales.



Silvikrin LIQUID SHAMPOO

THE FASTEST SELLING SHAMPOO IN THE COUNTRY

COUNTY LABORATORIES LTD., COUNTY BUILDING, HONEYPOT LANE, STANMORE, MIDDX. WORdsworth 4321

T.19

D



Narrow Neck Feeding Bottle RETAIL **2/6**

"Skylon"

THE ORIGINAL POLYTHENE FEEDING BOTTLES

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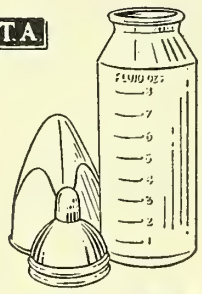
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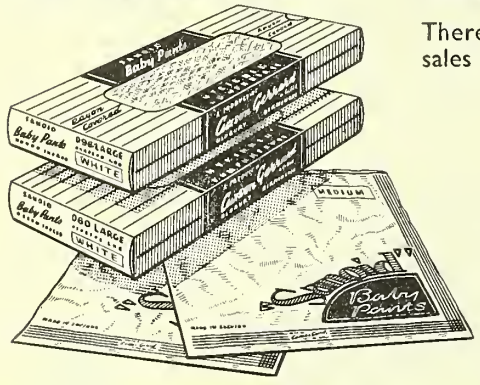
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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 172 August 29, 1959 No. 4149

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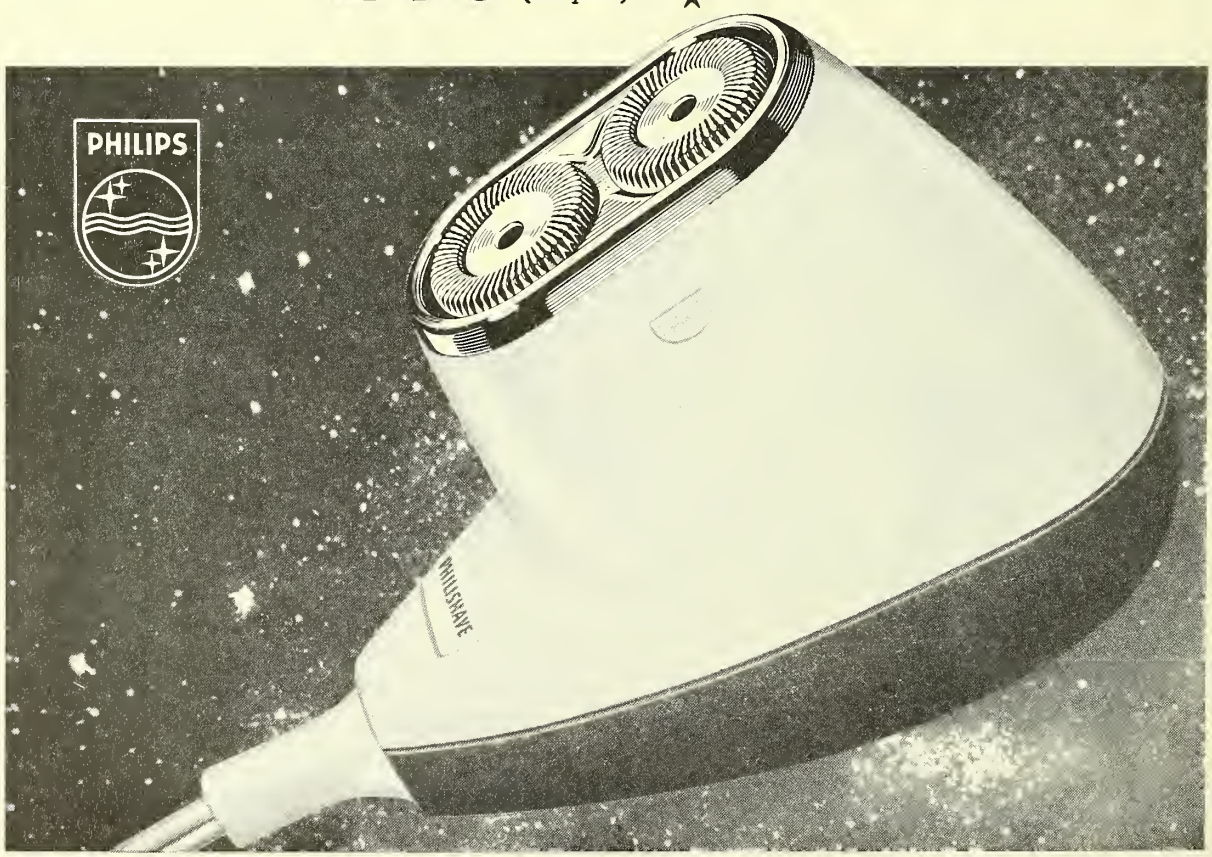
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The CHEMIST AND DRUGGIST

Volume 172 AUGUST 29, 1959 No. 4149

Experiments on Animals

HOME OFFICE FIGURES FOR 1958

IN the preparation and testing of substances for the treatment of disease in man or animals, over a million experiments were performed on animals in 1958, including 1,076,837 experiments for standardisation of sera, vaccines or drugs. A total of 3,245,990 experiments were carried out during the year. Those figures are given in the 1958 return of experiments on living animals (H.M. Stationery Office, price sixpence). Of 6,077 persons who held licences, 1,692 performed no experiments. The number of experiments performed under anæsthesia was 366,607 of which 324,000 were operative procedures at the conclusion of which the animals were allowed to recover. Experiments not requiring anæsthetics totalled 2,879,383 (about 89 per cent. of all those made during the year). Those were mostly inoculations, external applications, modifications of the animal's diet or environment, or the administration of a drug or toxin, followed in each case by observation of the results. In the course of cancer investigations 220,976 experiments were carried out, of which 173,959 did not require anæsthetics since they comprised simple injections, external applications or "feeding" experiments designed to test for possible cancer-producing factors, mainly in food or other substances in common domestic or commercial use.

Radiation Against Cancer

NEED FOR TRAINING PERSONNEL

SUPERVOLTAGE (radiations of energies exceeding 1 Mev. (million electron volts) and radioisotope radiation has an essential place of value in the treatment of cancer, and one of the main requirements at the present stage is the specialised training of personnel. That was the conclusion of a study group, convened jointly by the World Health Organisation and the International Atomic Energy Agency, which met in Vienna, August 3–5, under the chairmanship of Professor B. W. Windeyer (Meyerstein Institute of Radiotherapy, London). Training programmes should be utilised extensively for that purpose, the study group recommended, as should exchanges of experts and visits to radiotherapy centres in various countries. It was the opinion of the group that further studies would be needed particularly with reference to the determination of the radiation doses (dosimetry) in clinical practice, the standardisation of radiotherapy methods and their clinical evaluation. The study group consisted of radiotherapists and radiation physicists from Canada, France, Germany, Hungary, Italy, Japan, Mexico, Sweden, Switzerland, United Kingdom, Russia and the United States.

A Prescription Inquiry

HOSPITAL BOARD SEEKS INFORMATION

A FULL report into the issuing of nearly 1,000 tablets to a single patient at the Dudley Road Hospital, Birmingham, is to be drawn up for consideration by the Birmingham Regional Hospital Board. On August 18, Mr. W. F. Newstead, the board's secretary, wrote to the hospital management committee asking for information. He said a full inquiry into the issuing of the tablets would have to be held by the management committee concerned. No date for the inquiry could be fixed at that stage however, because certain members of the hospital staff were on leave, including the physician who dealt with the particular case in question. Mr. Newstead said the hospital board would carefully consider all the circumstances. Meanwhile, instructions have been issued to the hospital that not more than three weeks' supply of drugs should be issued to any one patient. Birmingham police toured streets recently warning people by loudspeaker van after a man had been seen offering tablets to children to eat as sweets. One child had to be treated in hospital after eating a tablet. Later, it was found that the man, who was suffering from Parkinson's disease, had been supplied with nearly 1,000 tablets, a three months' supply. They had been issued to him as prescribed. The Birmingham police have now accounted for the missing tablets.

Sea-sickness Remedies

A B.B.C. APOLOGY

DURING the television programme "Tonight" on August 19 an apology was read by Mr. Geoffrey Johnson that "On July 15 Miss Marghanita Laski, in the course of an interview concerning extravagant claims by advertisers, gave as an example the case of a remedy for seasickness described in advertisements as being 'twice as effective' as any other. Miss Laski alleged that this was an example of crooked lying on behalf of an advertiser. It has been pointed out to the B.B.C. by the advertiser that experiments reported upon it in the *Lancet* established that the active ingredient which constitutes a protection against vomiting and nausea contained in the advertised remedy is more than twice as effective as any other known drug. The B.B.C. and Miss Laski now acknowledge that the allegation was wholly unjustified and desire to withdraw it unreservedly. The B.B.C. and Miss Laski take this opportunity of expressing their sincere regret to the manufacturers of the product for the distress that the allegation had caused."

National Formulary

SECOND AMENDMENT, 1959

CHEMIST contractors and general practitioners are being sent copies of the Second Amendment, 1959, to the British National Formulary, 1957. The amendment gives effect to recent changes in the Poisons Rules so far as they concern the British National Formulary, and applies only to prescriptions for Formulary preparations containing a Fourth Schedule poison where the prescriber has omitted to specify quantity and strength.

Addiction Inquiry

COMMITTEE INVITES EVIDENCE

THE Interdepartmental Committee on Drug Addiction appointed on June 3, 1958 (see *C. & D.*, June 21, 1958,

A PHARMACIST'S SIGN



At this holiday season France provides an apt illustration in the series. Picture shows the modernised shop front of a pharmacy at Blois in the Loire valley. While retaining the old trade sign—the bust of Aesculapius—it exhibits also two effective modern renderings of a serpent coiled round the stem of a cup. Above the door the device is framed within a white cross, both outlined in strip lighting, while on the plate glass door it forms an effective handle.

p. 651), decided in the first place to consider evidence from professional and other bodies having experience of or interest in the questions they were investigating. They are now prepared to consider evidence from other groups or persons. A list of particular questions on which the Committee would be willing to consider evidence is obtainable from the joint secretaries of the Committee at the Ministry of Health, Savile Row, London, W.1.

Nuclear Research

CHEMICAL PLANTS AS " BY-PRODUCT "

THE equipment and expert staff to be centred at the new Winfrith Heath nuclear research station, Dorset, should ensure invaluable additions to chemical engineering knowledge. The data accumulated are expected to bring about considerable development in industrial automation and improvements in plant design, including the design of " orthodox " chemical plant. In the " new Harwell," now under construction at Winfrith, twelve member countries of the Organisation for European Economic Corporation are jointly investing £10 millions over five years. Following an agreement reached in March, any expenditure above that agreed figure (at present estimated to be £3·6 millions) is being paid by the United Kingdom. By way of compensation, the installations are being retained as U.K. property. Research is based upon the use of the Zenith (zero energy) reactor, which is being housed in one of two reactor halls, coupled with an analogue computer, Pace. Temperatures within the reactor will range between 400° C. and 800° C., and the heat-exchanger will reissue gas at 350° C. for purification and use. The apparatus will provide information on the effects of high temperatures and irradiation upon the substances used in plant construction, data previously almost unobtainable. Space exists for an increase to six nuclear reactors. Radioactive liquid is carried 6½ miles to the coast in the centre of two concentric pipes, normal effluent water flowing through the outer. The radioactive material is released after passing through dispersion and mixing equipment on the sea bed two miles from shore; normal effluent flows from the pipe closer inshore.

Employees' Bonus

£5¼ MILLIONS PAID OUT BY I.C.I.

OVER 93,000 employees of Imperial Chemical Industries, Ltd., have qualified for bonus in respect of 1958 under the company's profit-sharing scheme. The bonus amounts to £5,584,000 gross averaging £59 18s. 6d. per employee before tax or £44 6s. 7d. after tax. That net bonus has been paid by the company to the trustees of the scheme who are to use it to acquire on behalf of employees £2,343,000 I.C.I. Ordinary stock to be issued by the company for the purpose out of its unissued capital. When an employee has forty or more units of stock standing to his credit, arrangements are made for the stock to be registered in his name. This year £2,976,000 Ordinary stock is being handed over to 53,000 employees. It is the company's hope that as far as possible the stock will be held as a permanent investment, though recipients are free from any restriction on the sale of the stock. Since the scheme was started in 1954, about 60 per cent. of the stock handed over to employees of all ranks has been retained by them.

Work Study in Retailing

ANOTHER MIDLANDS CONFERENCE

CLOSED circuit television is to be used at a retail work-study conference at Hinckley, Leics, commencing September 28. There are four afternoon and one evening sessions. The conference is an extension of a similar venture organised by the local chamber of trade and the Hinckley productivity committee which took place last March (*C. & D.*, March 14, p. 283). The closed circuit television is to be used in one of the largest stores in the town to emphasise the object of the conference; how better arrangements within the shop can materially assist in a smooth working to the benefit of both shoppers and staff.

Hazards of Radiation

NEED FOR A SAFETY SERVICE

AT a radiation health conference held recently in Oxford, Sir Douglas Veale (chairman of the post-Windscale committee on training in health and safety) declared that a national health and safety service is needed in Britain. Large organisations concerned with nuclear atomics were reliably operating safety arrangements; but hazards, small at present, were growing. " A point will come quite suddenly when the hazards will be considerable. It will then be too late to create a health and safety service and too late to devise a system of controls."

SCOTTISH NEWS

Towards Full Pricing

FIRST STAGE SEPTEMBER 1

A SCHEME for the reintroduction by gradual stages of full pricing of all prescriptions has been agreed between the authorities and the Pharmaceutical Standing Committee (Scotland). As a first stage chemist contractors whose prescription forms during January did not exceed 800 will have the prescriptions they dispense from September 1, onwards, priced in full. Full pricing is being extended to the remaining chemist contractors as soon as possible thereafter.

IRISH NEWS

THE REPUBLIC

Irish Pharmacy Week

A NEW VENTURE

BY arrangement with the Pharmaceutical Society of Ireland, an " Irish Pharmacy Week " is being held in Dublin, October 12–16. The programme embraces a wide and varied field, including a medical exhibition; an intensive study course (sterilisation and dispensing of parenteral preparations); a symposium on matters of importance to all pharmacists, a dinner, a film show, a golf competition and a number of other social functions. In connection with the dinner the promoters state that members are allowed to take one guest each. In order to assist the organising committee in making adequate catering arrangements, those wishing to attend the dinner should notify the honorary secretary, Irish Pharmacy Week Committee, College of Pharmacy, Shrewsbury Road, Dublin.

Warning to Chemists

" TAKE CARE SELLING CHEMICALS "

IN response to a request from the Commissioner of the *Garda Siochana,* the Irish Drug Association is appealing to its members to exercise extreme caution when selling chemicals to schoolboys or juveniles who intend using them to cause explosions or make so called " space rockets," etc. " There have been many serious accidents, and chemists who do not heed this request might unwittingly find themselves the victims of most undesirable publicity," states a circular issued to members by the Association.

THE NORTH

Local Committee

CLOSING DATE FOR NOMINATIONS

NOMINATIONS for the Northern Ireland Pharmaceutical Committee close at noon on September 1. Retiring members of the Committee are eligible for re-election and do not need to be nominated. They are: *Belfast,* Messrs. J. C. Acheson, W. H. Boyd, P. R. W. Shinner, C. A. Quinn; *Londonderry,* M. J. McDermott; *co. Antrim,* W. S. Hall; *co. Armagh,* J. R. Gass; *co. Down,* O. P. Keenan; *co. Londonderry,* J. White; *co. Tyrone,* C. Anderson. There is no retiring member from co. Fermanagh. Nominations for membership should be sent to the secretary of the Committee, 4 Waring Street, Belfast.

IRISH BREVITIES

THE REPUBLIC

THE annual meeting of the Pharmaceutical Society of Ireland is being held at Shrewsbury Road, Dublin, at 7.30 p.m. on October 12.

THE lord mayor of Dublin (Councillor P. A. Brady, T.D., M.P.S.I.), recently received at the Mansion House, Dublin, Mr. H. C. H. Graves (chairman and managing director, Vitamins Group, London) and Mrs. Graves, and Mr. A. F. Dolan (area manager for Ireland, Vitamins, Ltd.).

THE NORTH

THE Cornmarket, Belfast, premises of Grattan & Co., Ltd., the oldest pharmacy in Belfast, have been sold to an undisclosed, but non-pharmaceutical, English concern for a figure in the region of £70,000.

NOMINATIONS for the executive committee of Ulster Chemists' Association should be received by the secretary, 4 Waring Street, Belfast, by noon on September 20. The eight retiring members of the committee are eligible for re-

election and do not need to be nominated.

A KODAK Retinette 1A camera, 35 mm. Schneider Reomar f/3·5 lens, Vero shutter, No. F.2013 has been reported stolen in Portrush. Anyone with information about it is asked to contact either the police or the secretary, Ulster Chemists' Association, 4 Waring Street, Belfast.

FOUR Ulster pharmacy students are attending the congress of the International Pharmaceutical Students' Federation at Noordwijk-on-Sea, Holland, September 5-15. They are Eleanor Smith, Anne Morrison, Eamonn E. Falls and William A. Hall (department of chemistry and pharmacy, Belfast College of Technology).

NEWS IN BRIEF

THE World Health Organisation has published a report "Preventive Aspects in the Teaching of Pathology" (No. 175 in its technical series).

CUSTOMS officers found 70 lb. of Indian hemp hidden in a life raft on board *s.s. Salween* which docked at Avonmouth, Bristol, on August 26.

DAMAGE, mainly to machinery, estimated at about £2,000 was caused by a fire in the surgical dressings department of Robinson & Sons, Ltd., Walton Works, Chesterfield, on August 16.

LORD Baillieu, K.B.E., C.M.G. (president, Dunlop Rubber Co., Ltd.), has accepted the nomination of the council of the British Institute of Management for election as first *President* at the annual meeting in October.

WITH a staff of about 350, and a total floor space of 24,000 sq. ft., the biggest of the 1,300 branches of Boots, Ltd., is being opened in Birmingham on October 9. Interior work and shopfittings have cost over £200,000.

AFTER picking up a "universal mercy flight" message on August 19, R.A.F. Uxbridge located at Edgware General Hospital a supply of Pentide which within two-and-a-half hours was being flown to Rome for an English woman dangerously ill in hospital.

A COURSE of weekly lectures on "The Anatomy, Pathology and Treatment of Hernia" has been arranged at Bolton Technical College, Manchester Road, Bolton, at 7 p.m., commencing September 22. Inquiries should be sent to the registrar, Institute of British Surgical Technicians, 6 Holborn Viaduct, London, E.C.1.

MR. R. GROVES, M.A., B.Sc., F.R.I.C., has been appointed chairman of the Food Standards Committee for a period of three years. His appointment follows the resignation of Dr. Norman Wright, consequent on the latter's appointment as deputy director-general of the Food and Agriculture Organisation of the United Nations.

SPORT

Golf.—SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY, Kingswood golf club, on August 19. Stableford competition for *Verona Trophy*, 1, S. M. Hutchinson, Royal Blackheath, 33; 2, H. Weeks, Surbiton, 32; 3, G. G. Watt, Shirley Park, 32. *P. Thorp Tankard*, K. Barke, Cuddington, 72. *Visitors' Prizes*, 1, J. Hay, Maidstone, 40; 2, H. Bacon, Coulsdon, 31.

TOPICAL REFLECTIONS

By Xrayser

Publicity and publication

At a time when there is something of a lull in the supply of news, the Council of the Pharmaceutical Society has attempted to fill the void caused by the Parliamentary recess by announcing details of matters of great importance. At its August meeting, the Council intimated the appointment of a publicity committee—charged, amongst other things, with advising upon the methods to be used to bring to the notice of the public the rôle of pharmacy, its educational and professional standards, and its contribution generally to the public welfare. I select those particular points from the new committee's terms of reference for a reason. All of them are laudable, for it must have seemed to many that any Press references to pharmacy were, to put it mildly, not over lavish in their praise. In nominating the committee (p. 82), the Council has not confined itself to its own members, and I have no doubt that the "outsiders" have been selected because of some specialised knowledge. It is perhaps a little unfortunate that they commence their task at the same time as the Council has seen fit to authorise for publication a statement calling attention to the dangers accompanying the uncontrolled sale of tranquillisers, other sedatives, and stimulants which are not yet subject to legal control, but which the Council considers should not be supplied except on medical prescription. I am not suggesting for one moment that I disapprove of the Council's statement—quite the contrary—but it is a pity that it has been thought necessary to issue such a recommendation to members of a professional Society which, according to the terms of reference of the newly formed publicity committee, seeks to "bring to the notice of the public the rôle of pharmacy, its educational and professional standards, and its contribution generally to the public welfare."

Comment

The statement of the Council on the drugs affecting the central nervous system (p. 80) has been authorised for publication by the Council. "Publication" has apparently meant general publication, since the lay Press and the British Broadcasting Company have featured the statement as important news, and there has been editorial comment in a number of newspapers. Although the Council has been praised for its action in thus appealing to its members, the fact that such a recommendation has been made public in such a way suggests that a significantly large number of members have been selling the drugs mentioned in the list without any discrimination. Indeed, one of the lay Press editorials brought to my notice stated that, "apart from anything else, the prestige and the reputation of the pharmaceutical profession are at stake." Those are strong words—in my opinion justifiable—and the whole situation makes the task of the publicity committee unenviable in the extreme. It is not going to be easy to reconcile the necessity for the warning on drugs with the bringing to the notice of the public the rôle of pharmacy, its educational and professional standards and its contribution generally to the public welfare. The Council may have attracted commendation for its public-spirited action, but I feel that a private notice to members would have been a more appropriate way of trying to accomplish the end in view.

Three years

Students entering upon the course for the Pharmaceutical Chemist Qualifying examination this autumn are involved in the new regulations which provide for a three-year course. It is a welcome change from the high-pressure cramming which had become inseparable from the attempt to put a quart into a pint pot. Students in other walks of life have usually been able to take part in some of the other activities of college or university which have enabled them to meet fellow students in other branches or faculties — always a broadening experience — but such contact has hitherto been denied the student in pharmacy owing to pressure of work.

TRADE NOTES

Soaps for Export.—Veb Rumbo Seifenwerk, Freital/Sa, East Germany, invite inquiries for their toilet soaps for export.

Distributors to Chemists.—Sangers, Ltd., 258 Euston Road, London, N.W.1, are sole agents to chemists of Joey's bird food.

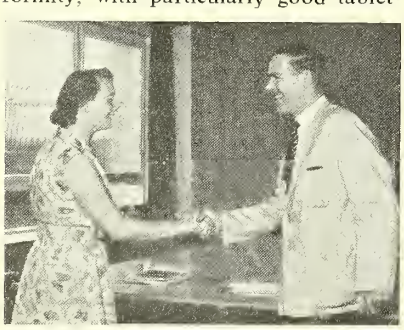
Sole Distributors.—Knoll, Ltd., announce that Pharmethicals (London), Ltd., 20 Gerrard Street, London, W.1, are sole distributors of Knoll products from September 1.

An Advertisement Corrected. — An advertisement for Anusol-HC suppositories in last week's *C. & D.* carried a wrong price. The correct price is given this week in the *C. & D.* Weekly List of Prices, p. 134.

Appointed Distributors.—M. & R. Norton, Ltd., 9 Park Hill, London, S.W.4, have been appointed exclusive distributors for Gahns Swedish individually boxed pine-needle soap; Gahns Swedish foam bath in sachets; and Martha Lorraine lip brushes which are imported direct from Hollywood and are described as the "No. 1 best seller in the United States." Each lip brush has a transparent golden stem and is available with gilt cap for cleanliness in travel.

In Pink, Green or Blue. — Coloured Bronco toilet tissue (rolls or interleaved packets) is now available throughout the country in shades of pink, green or blue. The colours were introduced in the Midland area earlier this year and proved highly successful. A metal counter "dispenser" is available to hold three rolls and three interleaved packets in each of the new colours. Extensive advertising is booked. Manufacturers are the British Patent Perforated Paper Co., Ltd.

Improved Aspirin Production. — Howards of Ilford, Ltd., Ilford, Essex, one of the first companies in the United Kingdom to manufacture aspirin, have completed the first part of a rebuilding programme at a cost of over £60,000. The opportunity was taken to improve the process and increase the capacity of the plant. The result is a product of exceptional uniformity, with particularly good tablet-making qualities, unusually stable and resistant to unfavourable storage conditions.



£100 FOR A SUGGESTION: Mr. W. H. Dimsdale (joint managing director, Ilford, Ltd.) presents to Mrs. Galpin, Brentwood, a cheque for £100, tax-free, in recognition for a suggestion Mrs. Galpin made that will enable customers for Ilford colour films to see their results more speedily. Mrs. Galpin is a senior laboratory assistant with the company. A number of other cash awards were made.

Dihydroergotamine Tartrate. — Preparations containing dihydroergotamine have been on the market for some time in Germany and elsewhere on the Continent. Bulk stocks of the tartrate for formulation are now offered in Britain by Excorna, H.G., Mainz-on-Rhine, through their United Kingdom agents: Jacobson van den Berg, 3 Crutched Friars, London, E.C.3. Excorna, H.G., have developed large machines for the artificial inoculation of the rye with the spores, and for harvesting the crop. By cultivating special ergot races on tetraploid rye they obtain larger sclerotia thus enhancing the yield.

Packing-case Hire Service. — About 350 traders are regularly making use of a packing-case hire service introduced by British Railways in co-operation with Collico, Ltd., Barking, Essex, the latest figures showing 11,250 cases to be on hire. By providing collapsible cases on a monthly hire basis, the service relieves traders of the need to provide and maintain their own cases. The hiring charge covers the cost of rail carriage on both the loaded and the empty journeys, and senders pay rail charges solely on the weight of the contents. Each container, which can carry up to 2 cwt. of merchandise, is made of metal and is completely collapsible, with no loose parts. The users' own advertisement is carried if desired. Traders dealing in chemical and medicinal goods, have made particular use of the Collico cases.

Christmas Showrooms

THE following are announced :—

ROBERTS WINDSOR, LTD., Windsor, Berks.
- BIRMINGHAM, Grand Hotel, September 7–11.
- BRIGHTON, Grand Hotel, September 21-24.
- BRISTOL, Royal Hotel, August 24–28.
- CARDIFF, Royal Hotel, September 7–11.
- EDINBURGH, North British Hotel, September 14–18.
- GLASGOW, St. Enoch Hotel, September 7–11.
- LEEDS, Queen's Hotel, August 31 to September 4.
- LIVERPOOL, Adelphi Hotel, August 24–28.
- MANCHESTER, Midland Hotel, September 7–11.
- NEWCASTLE-ON-TYNE, Royal Turks Head Hotel, August 31 to September 4.
- NOTTINGHAM, County Hotel, August 31 to September 4.

Bonus Offers

CAVALCADE BEAUTY PREPARATIONS, LTD., 9 Park Hill, London, S.W.4. "Stop" anti-dandruff shampoo. Thirteen invoiced as twelve. During September and October.

ALLEN & HANBURYS, LTD., Bethnal Green, London, E.2. Haliborange tablets. Twelve invoiced as eleven on direct orders from chemists for any of four special parcels (12 doz. bottles of twenty-five; 8 doz. bottles of twenty-five and 1 doz. of 100; 4 doz. bottles of twenty-five and 2 doz. of 100; 3 doz. bottles of 100). Until October 10. Each parcel includes new metal "dispenser" and 3-D showcard.

MERCK SHARP & DOHME, LTD., Hoddesdon, Herts. Tyrozets. 6 doz. vials free with order for 2 gross; 2 doz. free with 1 gross; 1 doz. free with 6 doz. From September 1.

Calls for Tenders

THE Board of Trade has issued details concerning tenders sought by various overseas bodies, and an outline is given below of the requirements and closing dates. For fuller information readers should apply, quoting reference, to Export Services Branch, Lacon House, Theobalds Road, London, W.C.1.

Laboratory and chemical products. Ministerio de Salud Publica, Uruguay (E.S.B. 20014/59, September 8).

Chemicals mainly in small quantities. The Director General, Department of Supply and Development, Frere Road, Karachi, Pakistan (E.S.B. 20108/59/I.C.A., September 9).

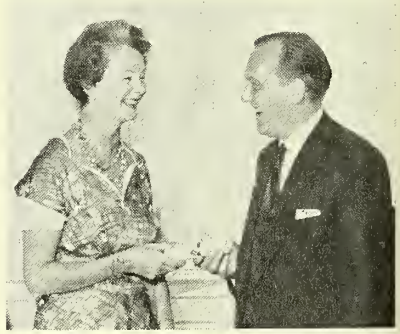
Laboratory apparatus and chemicals. The Secretary, Union Tender Board, 291 Bosman Street, P.O. Box 371, Pretoria, South Africa (E.S.B. 19094/59, September 9).

Isoniazid. The Secretary, Union Tender Board, 291 Bosman Street, P.O. Box 371, Pretoria (E.S.B. 19508/59, September 14).

Hospital linen and dressings. Government Royal du Laos, Burea D'Achat, Vientiane, Laos (E.S.B. 19298/59/I.C.A., September 15).

Sodium bicarbonate. Singapore City Water Department (E.S.B. 19467/59, September 18).

Streptomycin manufacturing plant. Government of India, India Supply Mission, 2536 Massachusetts Avenue N.W., Washington 8, D.C. (E.S.B. 18625/59/I.C.A., October 13, 15 and 20).



WINNER'S SCROLL: Miss Elizabeth Allan presents Mr. H. Ridehalgh, M.P.S., Bournemouth, with a scroll pronouncing him the winner of the "Scotties" window-display competition for chemists (see *C. & D.*, August 22, p. 78). Mr. Ridehalgh's prize is a trip to America for himself and his wife.

INFORMATION WANTED

The Editor would appreciate information about the following :

Ekem Engineers (present address)
"Here is My Heart" perfume
House of Lontay hair cream
Valencienne constant refresher
Sasorabia perfume

NEW PRODUCTS AND PACKS

"Reconstructive" Tonic.—Briefly mentioned as having been exhibited at Edinburgh in July, Laevotonine, a new speciality of Calmic, Ltd., Crewe, Ches, is a palatable tonic, formulated from sodium dihydrogen phosphate in combination with laevulose, caffeine, arsenic, manganese and strychnine. It is presented in 4-oz. bottle and 40-oz. tax-free dispensing pack.

New Design and New Formula.—Beecham Pharmaceuticals, Ltd., St. Helens, Lancs, announce that, on September 1, Phyllosan tablets become available in a new packaging and with the formula adjusted to bring it into line with recent advances in medical knowledge. The bottles, in three sizes, now have cartons in maroon, stone and white. Extensive advertising on television and Radio Luxembourg is booked.

Prednisolone Suspension. — CIBA Laboratories, Ltd., Horsham, Sussex, announce the introduction of Ultracortenol (prednisolone trimethylacetate) suspension 50 mgm./c.c. Experimental work is understood to have shown that higher doses, when injected intra-articularly, produce a more pronounced and prolonged effect in rheumatoid arthritis and osteo-arthritis than any other corticosteroid available. Ampoules and vials containing 10 mgm./c.c. continue available.

A New Fungistat.—Claimed the first effective preparation against botrytis in lettuce, Allisan, issued by Boots Pure Drug Co., Ltd., Station Street, Nottingham, is the outcome of fifteen years' research work by the company, during which over 8,000 compounds were tested. The preparation, which is understood not to check the growth of the lettuce, is available for commercial users in a 7-lb. pack. It contains a nitrated chloroaniline derivative and may be applied to soil or seedlings. For the control of botrytis stem rot of tomatoes, Allisan is applied as a paste to the affected area. In Britain, sales are restricted to the company's branches, but the product is to be made available in export markets.

Half-strength Tablets. — Glaxo Laboratories, Ltd., Greenford, Middlesex, announce that Naclex (half-strength) tablets are available in the home market from August 31. Each scored tablet contains 25 mgm. of hydroflumethiazide. Naclex tablets in the original form, each containing 50 mgm. of hydroflumethiazide, remain available and should be supplied to meet prescriptions where "Naclex tablets" are ordered without further indication of the strength required. Naclex (half-strength) tablets are expected to be used in a limited range of conditions, especially pre-menstrual œdema and hypertension, in which a smaller dosage is sometimes adequate. The packs are bottles of twenty-five, 100 and 500.

Anti-lice Spray for Pigs. — H. E. Helman & Co. (Insecticides), Ltd., 10 Bank Street, Gravesend, Kent, having completed tests on the product, are marketing, under the trade name Ly-Cene, a pig spray that kills pig lice, destroys their eggs and removes scale. The product is understood to have no taint and to be effective for approximately five to six weeks. It may be applied with any recognised hand spray. After its application the animals are quieter and more peaceful.

New Veterinary Specialities. — On September 1, CIBA Laboratories, Ltd., Horsham, Sussex, are introducing three preparations based on Vioform. All are being promoted to veterinary surgeons. Vioform scour paste, in 2-oz. tube, containing 0·25 gm. in 1 in. of paste. In the treatment of scour in piglets the paste is applied as a lick on the tongue, a more convenient and effective method than giving tablets. Vioform tablets, 0·25-gm., in packs of thirty and 200 are mainly for the treatment of scour in calves and of infective diarrhœa in dogs and cats. Vioform-hydrocortisone salve contains 3 per cent. of Vioform and 1 per cent. of hydrocortisone in an emollient base. The pack is a 5-gm. tube. Vioform-hydrocortisone salve effectively controls inflammation and infection in skin disorders.

Veterinary Blood-volume Expander.—C. J. Hewlett & Son, Ltd., King George's Avenue, Watford, Herts, announce the introduction of a new veterinary product, Alboven, a 20 per cent. sterile solution of purified bovine serum albumin. The product has been developed in collaboration with the Povite organisation, Amsterdam, Holland, for intravenous use as a veterinary blood-volume expander. It is initially intended as a treatment for surgical and similar types of shock in dogs and cats (doses 5–15 mils and 2–10 mils respectively). Alboven represents a breakaway from the established principles of intravenous drip techniques and the practical difficulties associated with their veterinary application. Small volumes of a hypertonic solution are injected intravenously, and the volume of fluid necessary to bring that solution to isotonicity may be supplied orally, by subcutaneous injection or by physiological resorption from the interstitial fluid compartment or site of trauma. The standard pack of Alboven is a 10-mil multidose serum vial.

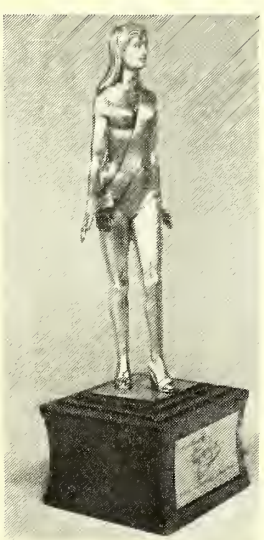
"Boilable" Feeding Bottle.—William Freeman & Co., Ltd., Suba-Seal Works, Peel Street, Barnsley, Yorks, draw attention to their Suba-Seal "boilable" feeder in unbreakable polythene.

High-gloss, Long-lasting Nail Polish.—George Spencer & Son, Ltd., 420 Kynance Place, London, S.W.7, are the sole distributors in the United Kingdom for Misslyn Italian nail varnish, which is available in forty-five colours and is exceptionally fast-drying.

Modernised Pack.—Scott & Bowne, Ltd., 50 Upper Brook Street, London, W.1, announce that from September 1, their two packs of Williams "Lectric shave" are being issued in a new package with new label. The new design, which is in green, red, black, buff and white, suggests a flash of lightning. The larger size is individually cartoned, the smaller is in a display outer of six.

A White Cosmetic Stick. — Goya, Ltd., Amersham, Bucks, are marketing a white cosmetic stick containing titania in a nourishing and protective base. The new product, Kiss White, may be used as a white lipstick under or over a conventional lipstick, giving a "luminous reflected brilliance," or as an eye-shadow, "heightening and dramatising" the eyes and contrasting and enhancing the effect of coloured eye-shadows.

"Frosted" Mascara.—On general sale in October, a new product, "Frosted" mascara, has been introduced by Revlon International Corporation, 86 Brook Street, London, W.1. "Frosted" mascara may be used for tipping the lashes after the colour has been emphasised with one of the more conventional mascara shades, or exciting effects may be obtained by toning the mascara with the eye-shadow. "Frosted" mascara is issued in a gilt roll-on applicator in blue, green, blue-green, turquoise and violet shades. Messrs. Revlon are also introducing "Frosted" lipsticks in seven new shades and "platinum."





New label and cartons in which Phyllosan tablets are now issued by Natural Chemicals Co., St. Helens, Lancs. At left, Silver challenge trophy presented by Goya, Ltd., Badminton Court, Amersham, Bucks, to the winner of the "Miss Great Britain 1959" bathing-beauty contest. The trophy was presented at the grand final at Morecambe on August 26. The winner receives also a silver replica and is given the opportunity of a career in cosmetics.

PERSONALITIES

DR. E. G. FELDMAN (at present head of the American Dental Association's chemistry division) is joining the American Pharmaceutical Association as associate director of revision of the eleventh edition of the National Formulary. He also becomes in December the editor of the *Journal of the American Pharmaceutical Association* and also of *Drug Standards.*

MR. JOSEPH OGDEN, M.P.S., Welbeck Road, Doncaster, who has retired from the post of superintendent chemist of Doncaster Co-operative Society, Ltd., after thirty-five years' service, received farewell gifts from the Society's departmental managers. Mr. Ogden served for many years as a member of the local Pharmaceutical Committee until 1947 when he was appointed to the Doncaster Executive Council.

MR. KEN WOOD, Sheffield, the 1959 one-mile A.A. champion, and one of the select band of athletes in England who has run the mile in under four minutes, recently joined the sales staff of A. L. Simpkin & Co., Ltd., Sheffield, as a propaganda representative. Mr. Wood has not retired from international competitions, but hopes to take part in selected events during the remainder of this season and next year.

MR. T. STORY JONES, M.P.S., takes over the management of the Bristol Broadmead branch of Boots, Ltd. (to be opened in September). The branch will be the company's fourth largest. For the past five years Mr. Jones has been in charge of a large branch at Birmingham. He qualified in 1931 after attending Nottingham University and in 1937 was promoted manager of the company's branch on Victoria Station, Manchester, where he remained until 1948. During his time in Manchester Mr. Jones took an active part in the affairs of the branch of the Pharmaceutical Society, and was a chairman of its junior branch. From 1948 until 1954 he was manager of the company's branch at Walsall.

MR. A. E. V. HOUCHEN, forty-three-year-old director of the Beecham Group, Ltd., has been appointed chairman of the Toilet Preparations Federation, Ltd. Mr. Houchen, who has been a member of the Council of the Federation since 1954 and senior vice-chairman during the past year, succeeds Mr. Budgett-Meakin (J. & E. Atkinson, Ltd.). The Toilet Preparations Federation, Ltd., instituted in 1945, is the official trade federation representing about 190 leading companies in the perfumery, toilet preparations and cosmetic industry. In recent years, through its Committee of Specification Standards, the Federation has done much useful work in setting standards of purity for raw materials used in the manufacture of toilet preparations and cosmetics. Of that work the new chairman says: "It is important that our industry has standards for materials used and also that the standards set are the highest possible commensurate with availability." Mr. Houchen, who served for six years with the Royal Marines, started his career in a London advertising agency. He was managing director of Silvikrin Laboratories, Ltd., when that company was taken over by the Beecham Group in 1949, subsequently becoming managing director of County Laboratories, Ltd. Earlier this year he was appointed chairman of that company and of Beecham Foods, Ltd. He will lead the industry in its current negotiations with the Board of Trade on the question of United Kingdom participation in the European Free Trade Association.

DEATHS

ATKINSON.—On August 14, Mr. John Magnay Atkinson, M.P.S., 5 Vernon Rise, Grecnford, Middlesex. Mr. Atkinson qualified in 1924.

Miss M. C. Islip writes: Mr. Atkinson was chairman of the Harrow and District Branch, 1943–50. He was a big man with a big heart and his congenial manner and excellent chairmanship contributed largely to the increased activities of the branch during that period. He served his apprenticeship with Brady & Martin, Newcastle-on-Tyne, and worked for a time at the Newcastle Royal Infirmary. Twenty-one years ago he joined the London Co-operative Society, Ltd., and opened a pharmacy for the Society in Oldfield Circus, Greenford, which he managed until his untimely death at the age of fifty-eight. Music was his great delight and his powerful bass-baritone voice not only entertained his colleagues at branch social functions, but also gave pleasure to a much larger audience through his broadcasts on the B.B.C. He was soloist of the Wenfield Singers and a member of the Greenford Community Choir, and took an active part in the musical life of Harrow including exchange visits to the Continent. J.M., as he was affectionately known, had a wide circle of friends and was much respected. He was a kindly, deep-thinking man, with a good sense of humour, who was ever ready to give help and encouragement whenever it was needed. The deepest sympathy of members of the Harrow Branch is extended to his widow and son in their bereavement.

BRAY.—On August 14, Mr. Wilfred Ernest Bray, Lynthorpe, West Lynn, King's Lynn, Norfolk. Mr. Bray was for six years one of the directors of F. J. Miles, Ltd., chemists, King's Lynn. A native of Wisbech, Cambridgeshire, Mr. Bray moved to Reading about the time he qualified as a chemist in 1913. From 1921 to 1939 he had his own business in Long Sutton, Lincolnshire, and during the war was working at a Canterbury pharmacy.

COW.—At Edinburgh Royal Infirmary, on August 17, Mr. John Cow, M.P.S., 6 Church Street, Eyemouth, Berwicks. Mr. Cow, who was a native of Fraserburgh, qualified in 1925 and had been in business in Eyemouth since 1935.

MAGGS.—On August 23, Mr. Leonard Maggs, Bowerhill Lodge, Melksham, Wilts. Mr. Maggs was chairman and managing director of United Dairies, Ltd., before the recent merger of United Dairies and Cow & Gate, Ltd., now known as Unigate.

MILL.—Recently, Mr. Walter Alexander Mill, M.P.S., Southgate, Pennard, Gower, South Wales. Mr. Mill qualified in 1921. He opened his first business in the High Street, Swansea, in 1923, and went on to establish further chemist shops at Brynhyfryd Square, Castle Street, Brynymor Road and Pennard. Later he sold all the shops except the one at Pennard, which he managed until his retirement eight months ago. During the war years Mr. Hill held office in the Swansea and West Glamorgan branch of the Pharmaceutical Society.

MULHOLLAND.—In a motor accident near Belfast, recently. Mrs. Nora Mulholland, Glenavey, Antrim. Mrs. Mulholland was formerly Miss Nora Fox, L.P.S.I., daughter of Mrs. and the late Dr. W. J. Fox, Harmony Hall, Glasson, Athlone, co. Westmeath. Educated at Mount Sackville Convent, Phoenix Park, Dublin, she qualified at the Pharmaceutical Society of Ireland College, Dublin. She is survived by her husband, Mr. Gerard Mulholland, Rosemount House, Glenavey, and by her sisters, Miss M. Fox, M.P.S.I., Ormond Quay, Dublin, and Eileen Fox, L.P.S.I., Harmony Hall, Gasson, Athlone, co. Westmeath.

STRATTON. — Recently, Mr. John Fountain Stratton, M.P.S., Denmark Street, Diss, Norfolk. Mr. Stratton qualified in 1901. A North Norfolk man, he worked in London before settling at Diss in 1920. For a number of years he was manager of Gostling & Co. In 1958 he closed his business at St. Nicholas Street for health reasons. Among his interests were Freemasonry and the work of the British Legion and Rotary movements.

BUSINESS CHANGES

F. FARTHING & CO., LTD., have removed their registered offices to 44 Queensway, London, W.2.

KUMAR (LONDON) LTD., have removed to 144 Fortess Road, London, N.W.5.

S. A. SHEPHERD & CO., LTD., have removed to 15 Coopers Row, London, E.C.3 (telephone: Royal 4307).

J. FARRER-BARNES, LTD., are transferring their head office and buying department to 278 Aigburth Road, Liverpool, 17, on September 26.

SMITH KLINE & FRENCH LABORATORIES, LTD., have removed to Mundells, Welwyn Garden City, Herts. Telephone: Welwyn Garden 5111.

Appointments

ISOPAD, LTD., Barnet By-Pass, Boreham Wood, Herts, have appointed Mr. M. R. Parker their application engineer for the London postal district.

NEW HYGIENE, LTD., 266 Holloway Road, London, N.7, have appointed Mr. Jack Allwood their North of England sales manager.

DIVERSEY (U.K.), LTD., and Deosan, Ltd., 42 Weymouth Street, London, W.1, have appointed H. Iredale Nelson their advertising manager.

PFIZER, LTD., Folkestone, Kent, have appointed Dr. W. A. Bullen sales manager of their Boehringer products division. Mr. Bullen will also act as deputy to the general manager (Mr. W. R. Miller). Dr. F. J. A. Bateman succeeds Dr. Bullen as director of medical services.

LEGAL REPORTS

"Let Down by Suppliers"

RECENTLY, Alice Franklin, proprietress of a drug store at Eastwood Boulevard, Westcliff-on-Sea, Essex, was at Southend-on-Sea absolutely discharged on three offences of selling poisons in preparations, but was ordered to pay 63s. costs. Mrs. Franklin was said to have been in business for about a year. She was not an authorised seller of poisons. A representative of the Pharmaceutical Society purchased from her a bottle of bronchial balsam, a packet of tablets and another preparation. Two of them contained morphine and the tablets contained Benzedrine—both poisons. Mrs. Franklin said she bought one of them from a chemist for a customer, but could not resell, even if she made no profit. It was suggested that Mrs. Franklin went into a business she knew nothing about, and that the wholesalers who supplied her with the preparations ought to have known better. She had been "let down by the suppliers." One preparation she purchased at retail price for a customer buying other things.

COMPANY NEWS

Last year's figures in parentheses

GRIFFIN & GEORGE, LTD.—Mr. R. H. Powell has relinquished his appointments with the group.

J. C. & J. FIELD, LTD., are opening a new showroom at 9A New Bond Street, London, W.1, on September 23.

BORAX AND CHEMICALS, LTD.—W. J. Hatchley, managing director of Borax and Chemicals, Ltd., since its inception, is relinquishing executive duties on August 31, but remains a member of the board. Mr. G. L. Thompson becomes managing director on September 1.

MONSANTO CHEMICALS, LTD.—Unaudited results for the first six months of 1959 (compared with those for the first six months of 1958) are announced as follows:—Net sales £8,726,720 (£7,489,848), net income before taxes, £720,011 (£531,742), net income after estimated taxes £371,611 (£247,642). The figures relate to the company and its United Kingdom subsidiaries only and do not include earnings of its Australian subsidiary. The results are mainly due to increased business and improved manufacturing efficiency. Export sales accounted for 37 per cent. of the trade. A first interim dividend of 5 per cent. on the Ordinary stock is declared.

Voluntary Liquidations

PHIPPS THOMAS & CO., LTD., wholesale chemists' sundriesmen, 211A Bexhill Road, St. Leonards-on-Sea. Liquidator: R. P. Booth, 14 Holborn Viaduct, London, E.C.1.

NEW COMPANIES

P.C. = Private Company; R.O. = Registered Office

J. D. GLASSMAN, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, etc. Directors: Jeffrey D. Glassman and Mrs. Ruth Glassman. R.O.: 80 Bishopsgate, London, E.C.2.

EDGAR NEALE, LTD. (P.C.).—Capital £8,000. To carry on the business of chemists, druggists and librarians, etc. Subscribers: Edwin H. Bradley and N. F. Rosier, R.O.: 10 High Street, Chippenham, Wilts.

NEWTOWN PHARMACY, LTD. (P.C.).—Capital £100. To carry on the business of dispensing chemists, etc. Arthur B. Beeston, M.P.S., 26 Collingwood Road, Gt. Yarmouth, is the first director.

H. H. FLOAT (CHEMISTS), LTD. (P.C.).—Capital £5,000. To carry on the business of chemists, etc. Directors: Harold H. Float, M.P.S., and Florence Float. R.O.: 152 Lord Street, Southport.

J. C. DUFFY, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, druggists and librarians, etc. Directors: John C. Duffy, M.P.S., and Gwendoline N. Duffy. R.O.: 17 Brandon Street, Birkenhead.

C. F. COOK, LTD. (P.C.).—Capital £5,000. To carry on the business of chemists' sundriesmen, etc. Directors: Charles F. Cook, Lilian F. Cook and David F. Cook. R.O.: 39 Seven Ways Parade, Gants Hill, Ilford, Essex.

W. MOFFATT & SON, LTD. (P.C.).—Capital £5,000. To carry on the business of dispensing chemists, etc. Directors: John R. Moffatt, M.P.S., and Lilian A. Moffatt, 12 Denewell Avenue, Gateshead, 9.

BURO PRODUCTS, LTD. (P.C.).—Capital £2,000. To carry on the business of manufacturers of and dealers in first-aid boxes and equipment, drugs, etc. Directors: Jeffrey Rose and Freda Rose, 17 St. Margarets Road, Prestwich.

FRANK TAYLOR (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing and general chemists, etc. Directors: Frank Taylor, M.P.S., and John Taylor. R.O.: 299 Manchester Road, Burnley.

J. G. MCARDLE (CHEMISTS), LTD. (P.C.).—Capital £2,000. To carry on the business of wholesale or retail chemists, etc. Directors: John G. McArdle and Joan R. Griffin. R.O.: 47 Canterbury Road, Folkestone.

F. C. COLLINS, LTD. (P.C.).—Capital £1,000. To carry on the business of druggists, manufacturers of and dealers in medical goods, etc. Directors: Frederick C. Collins and Michael J. Collins. R.O.: 29 Bedford Row, London, W.C.1.

R. FARTHING, LTD. (P.C.). —Capital £15,000. To carry on the business of manufacturing and retail chemists, etc. Directors: Reginald Farthing, F.P.S., and Joan Y. Farthing. R.O.: 24 Hallgate, Doncaster.

CRAWFORD DOBSON (CHEMISTS), LTD. (P.C.).—Capital £3,000. To carry on the business of chemists, etc. Directors: Henry C. Dobson, M.P.S., Richard J. Tite, M.P.S., James B. Crowther, M.P.S., and Pamela Crowther. R.O.: 196 Loose Road, Maidstone.

MONIL, LTD. (P.C.).—Capital £100. To carry on the business of chemists, druggists, etc. Subscribers: Harrie Welton, M.P.S., 13 Gap Road, Humanby Gap, Filey, and Charles P. Pickles. The first directors are to be appointed by the subscribers.

VETERINARY DRUG CO. (YORK), LTD. (P.C.).—Capital £10,000. To carry on the business of manufacturers of and dealers in veterinary supplies and equipment including drugs, etc. Directors: Allan White and John L. Crooks. R.O.: 82 Walmgate, York.

REDVERS SMITH, LTD. (P.C.).—Capital £10,000. To carry on the business of dispensing chemists, etc. Directors: Thomas R. Smith, M.P.S., Alice E. Smith and Ronald V. Smith, M.P.S. R.O.: 18 Market Place, Ilkeston, Derbys.

F. J. WHELAN (KEARSLEY), LTD. (P.C.).—Capital £500. To carry on the business of wholesale or retail chemists, etc. Subscribers: Frederick J. Whelan, M.P.S., and Hetty Whelan. Frederick J. Whelan is the first director. R.O.: 8 High Street, Standish.

R. J. LEBETER (CHEMISTS), LTD. (P.C.).—Capital £2,000. To carry on the business of chemists, druggists, etc. Directors: Ronald J. Lebeter, Doreen Lebeter and William J. I. Lebeter, M.P.S. R.O.: 88 Gravelly Lane, Erdington, Birmingham, 24.

N. PHETHEAN, LTD. (P.C.). —Capital £3,000. To carry on the business of manufacturers of and dealers in chemicals, etc. Directors: Arthur N. Phethean, M.P.S., Mabel Phethean and Kenneth N. Phethean, M.P.S. R.O.: 12 High Street, Ruddington, Notts.

HYGIENE PAPER PRODUCTS, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers, wholesalers and retailers of and dealers in medical dressings, paper bandages, etc. R.O.: Moorgate Hall, Moorgate, London, E.C.2.

J. W. H. BRAN (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of wholesale or retail chemists, etc. Directors: James W. H. Bran, M.P.S., Hilda F. Bran and Michael J. Bran, M.P.S., all of Galen, Swindon Road, Highworth, Wilts.

ANDREW F. ROBERTSON, LTD. (P.C.).—Capital £3,000. To carry on the business of manufacturing chemists and druggists, etc. Directors: Lilian Robertson and Dr. Peter K. Robertson. R.O.: 118 Front Street, Chester-le-Street, co. Durham.

A. F. SHERLEY & CO., LTD. (P.C.). Capital £100. To carry on the business of manufacturing chemists, druggists, etc. Subscribers: Ashe Laboratories, Ltd., and C. R. G. Young. R.O.: Ashetree Works, Kingston Road, Leatherhead, Surrey.

G. B. OSBORNE CHEMIST, LTD. (P.C.).—Capital £5,000. To acquire the business carried on by G. B. Osborne at 105 Workinshaw Road, Reading, etc. Directors: George B. Osborne, M.P.S., Mervyn H. C. Voake, M.P.S., Harold S. Osborne, Louise A. Osborne and Kenneth W. Osborne.

ROCHFORD PHARMACY, LTD. (P.C.).—Capital £200. To carry on the business of chemists, etc. Directors: Angus Grant, M.P.S. (director, Angus Grant, Ltd.),, and Desmond R. Hill. R.O.: 4 South Street, Rochford, Essex.

BOWSKILLS (CHEMISTS), LTD. (P.C.).—Capital £10,000. To carry on the business of chemists, etc. Directors: Leonard R. Bowskill, M.P.S., Elizabeth K. Bowskill, Davis E. Bowskill and Michael J. Bowskill, M.P.S. R.O.: 53 London Road, Kings Lynn, Norfolk.

CRELA PRODUCTS, LTD. (P.C.). —Capital £1,000. To carry on the business of manufacturers of and dealers in adhesive tape and surgical dressings, etc. Irene Krell is the first director. R.O.: 13 Wingate Drive, Manchester, 20.

REGAL CHEMISTS, LTD. (P.C.).— Capital £100. To carry on the business of pharmaceutical and general chemists, etc. The first directors are to be appointed by the subscribers. Solicitors: Wigram & Co., 9 Queen Street, London, W.1.

JACK BRITTON, CHEMISTS, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists and druggists, opticians, etc. Directors: Jack Britton, M.P.S. (chairman) and Margaret M. Britton. R.O.: 69 High Street, Long Eaton.

C. H. WARREN (CHEMISTS), LTD. (P.C.).—Capital £100. To carry on the business of chemists, druggists and librarians, etc. Directors: Clifford H. Warren, M.P.S., and Florence E. Warren. R.O.: 109 High Street, Chislehurst, Kent.

NOEL MORRIS & SONS, LTD. (P.C.).—Capital £1,000. To carry on the business of retail and wholesale chemists and druggists, etc. Subscribers: Hugh Sommers and Michael S. Iacovou. R.O.: 37 Gerrard Street, London, W.1.

LANOLIN, LTD. (P.C.). — Capital £10,000. To carry on the business of processors, refiners and distributors of and dealers in wool grease, lanolin and other similar compounds, etc. R.O.: District Bank Chambers, Market Street, Bradford.

JOHN P. FENTON & SONS, LTD. (P.C.).—Registered in Edinburgh. Capital £1,000. To acquire the business of John P. Fenton & Sons, carried on at 750 Shettleston Road, Glasgow. Subscribers: J. M. McClure and S. Fraser. The first directors are not named.

CURTIS'S SURGICAL STORES (BIRMINGHAM), LTD. (P.C.).—Capital £2,000. To carry on the business of dealers in medical and pharmaceutical products, etc. Subscribers: Bertram J. Hodway and John H. Hall. R.O.: 74 Hill Street, Birmingham.

R. E. F. (PHARMACEUTICALS), LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in, drugs, medicines, etc. Directors: Franz Weininger, Montague Cooper and Edward J. E. Baker. R.O.: 73 Basinghall Street, London, E.C.2.

MARSHALL ROBINSON, LTD. (P.C.).—Capital £100. To carry on the business of chemists and druggists, etc. Directors: Marshall Robinson, M.P.S. (director, Carter The Chemists, Ltd.), and Lily Robinson. R.O.: 55 Parliament Road, Middlesbrough.

A. M. CARR, LTD. (P.C.).—Capital £1,000. To carry on the business of dispensing, photographic and toilet chemists, etc. Directors: Arthur M. Carr, M.P.S., and Millicent J. Carr, M.P.S. R.O.: 142 Oldbury Road, West Smethwick, Staffs.

TRENT CHEMICALS, LTD. (P.C.). —Capital £100. To carry on the business of manufacturing, dispensing, and analytical chemists, etc. The first directors are not named. Secretary: D. A. Dexter. R.O.: 1A Cranmer Street, Nottingham.

CANTORS (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing and general chemists, etc. Subscribers: Arnold C. Cantor, M.P.S., and Philip Gorwits. Arnold C. Cantor signs as director. R.O.: 27 East Parade, Leeds.

GAINSBOROUGH PHARMACY, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, etc. Directors, Victor A. Underwood, M.P.S., Kathleen A. Underwood and Barry M. Underwood. R.O.: 13 Reynolds Road, Ipswich.

IAN McTAGGART, LTD. (P.C.).— Capital £1,000. To carry on the business of chemists, druggists, dispensers, opticians, etc. Directors: Ian A. McTaggart, M.P.S., and Janet H. McTaggart, M.P.S. R.O.: 47 Dawley Road, Wellington, Salop.

M. ROBERTS WILLIAMS, LTD. (P.C.).—Capital £100. To carry on the business of chemists, druggists and opticians, etc. Directors: Maldwyn R. Williams, M.P.S., and Edith L. Williams. R.O.: 145 Ruislip Road, Greenford, Middlesex.

BROOMWOOD PHARMACY, LTD. (P.C.).—Capital £1,500. To carry on the business of chemists, druggists, opticians, etc. Directors: Tom W. Hulme, M.P.S., Betty Hulme and William A. Cragg. R.O.: 28 Central Avenue, Sale, Cheshire.

N. & J. SAMPSON, LTD. (P.C.).— Capital £5,000. To carry on the business of manufacturing and general chemists, etc. Directors: June K. Sampson, M.P.S., and Norman Sampson, M.P.S. R.O.: Sussex House, Hobson Street, Cambridge.

CIGANY LABORATORIES, LTD. (P.C.).—Capital £100. To produce, acquire or deal in pharmaceutical and veterinary products, etc. Directors: Wyndham Moody-Jones and Joan M. Moody-Jones. R.O.: 45 Cambrian Avenue, Gilfach Goch, Glam.

A. J. TAYLOR (BRUNSHAW), LTD. (P.C.).—Capital £500. To carry on the business of chemists, druggists, etc. Directors: Alec J. Taylor and Deryn M. Taylor (directors, A. J. Taylor (Chemist), Ltd.). R.O.: 161 Oxford Road, Burnley.

OPOTHERAPEUTICS, LTD. (P.C.). —Capital £100. To carry on the business of manufacturing chemists and druggists, etc. Subscribers: Edwin R. Prebble and William E. Carter. Solicitors: Zeffert Heard & Co., 7 Devonshire Square, London, E.C.2.

E. GIBSON (CHEMISTS), LTD. (P.C.).—Capital £5,000. To carry on the business of chemists, druggists and librarians, etc. Directors: Florence L. M. Gibson and Donald C. Gibson, 3 Chatsworth Parade, Petts Wood, Orpington, Kent.

W. H. B. SUTHERLAND, LTD. (P.C.).—Registered in Edinburgh. Capital £10,000. To carry on the business of retail chemists and druggists, opticians, etc. Directors: J. Sutherland, J. A. Sutherland and A. S. Hourie, M.P.S. R.O.: 31 Victoria Street, Kirkwall, Orkney.

IDRIS ISAAC (CHEMISTS), LTD. (P.C.).—Capital £5,000. To acquire the business of a chemist now carried on at 26 Ironmarket, Newcastle-under-Lyme, Staffs. Directors: Idris Isaac, M.P.S., and Kathleen E. Isaac. R.O.: 26 Ironmarket, Newcastle-under-Lyme, Staffs.

H. & E. LISS (BRONDESBURY), LTD. (P.C.).—Capital £100. To acquire the undertaking and chemists' business at present carried on by Koray, Ltd., etc. Directors: Hyman Liss and Edith Liss (directors, Delton, Ltd., Koray, Ltd., etc.). R.O.: 76 Gamage Building, 118 Holborn, London, E.C.1.

MAST LABORATORIES, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of preparations for carrying out multi-coloured antibiotic sensitivity tests and the like, etc. Directors: Alan E. Brookfield and Doreen Parker. R.O.: 128 Longmoor Lane, Liverpool, 9.

DR. SCOTT'S CO., LTD. (P.C.).— Capital £100. To acquire the business of manufacturers, agents and distributors of toilet products of all kinds carried on by Dr. Scott's Company at Wearn Mills, Queensferry, N. Wales, etc. Directors: Walter W. Shaw and Michael E. Hughes.

MANSI LABORATORIES, LTD. (P.C.).—Capital £10,000. To carry on the business of manufacturers and distributors of medical and veterinary medicines, etc. Directors: Wassef, Mansi, Denis M. Heeley, Eric Piersen and June D. Mansi. R.O.: Market House 17 Hart Street, Maidstone, Kent.

WILCOT MEDICAL SUPPLIES, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in laboratory reagents, chemicals, gases, drugs, etc. Directors: Aron Anisfeld, M.P.S., Abraham A. Sider, M.P.S., Delia Kropach and David I. Sutherland. The three first named are all directors of Factory (First Aid) Supplies, Ltd. R.O.: 252 High Road, London, N.W.10.

G. E. BAILEY (CHEMISTS), LTD. (P.C.).—Capital £200. To acquire the business of a chemist carried on at 144 Colney Hatch Lane, London, N.10, etc. Directors: Stanley V. Brown (director, Orridge & Co., Ltd., etc.), Sylvia B. I. Brown (director, Lindo Property Co., Ltd., etc.), Barbara J. Holland (director, Harold Pocock (Chemists), Ltd.), Gwendolen E. Bailey, M.P.S., and James C. Duncan, M.P.S. (director, Harold Pocock (Chemists), Ltd.). The first three named are permanent directors.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Measured Doses

SIR,—With reference to my letter published on August 15 (p. 60) and headed "Measured Doses," my attention has been drawn to an error in the table. The line stated to refer to Crystapen-V suspension actually refers to Glaxo penicillin-V liquid, now discontinued, stated dose 3·5 mils. Crystapen-V suspension is issued without a spoon, as the makers consider a domestic spoon suitable for the product. The makers inform me that members of the public, asked simply to "measure a dose with the spoon" (issued with Crystapen oral liquid) approximated closely to the required 3·5 mils.

C. A. PICKFORD,
Grantham

National Bill for Medicines

SIR,—A study of the figures on p. 87 of your issue of August 22 reveals the following classification:—"Short-period Treatment" (antibiotics and sulphonamides), 11·1 per cent. of all prescriptions, cost 25·6 per cent.; "Chronics" (two typical groups) laxatives, antacids, etc.), 10·6 per cent. of all prescriptions, cost 4·8 per cent.; (cough preparations, 11·0 per cent. of all prescriptions, cost 4·6 per cent. A frequent justification of high prescription cost is that it is so often balanced by reduction in amounts disbursed under National Health Insurance, and also by a reduction in production losses. It would be interesting to know, for example, the number of people concerned in those three groups . . . how frequently the "chronics" repeat, and also the relative costs to National Insurance Fund for the periods of sick pay in those three groups. Could our statisticians oblige, please?

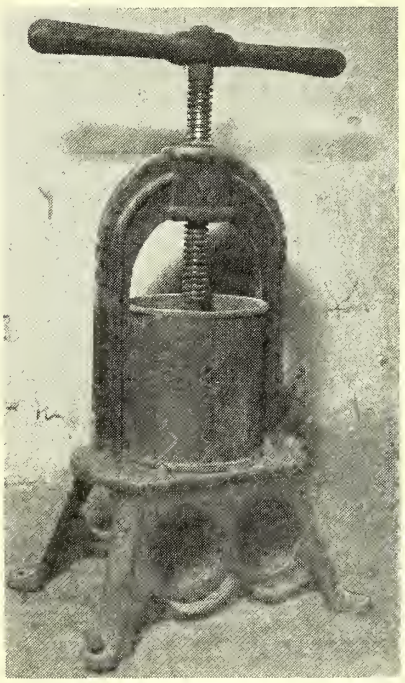
H. LONG,
Bristol

Basic N.H.S. Prices

SIR,—In his commentary of August 15 (p. 63), your contributor "E. C. Tenner" has not appreciated why the manufacturers of medical specialities give a "basic N.H.S. price" in their literature circulated to doctors. The reason is simply that the "basic N.H.S. price" for a specified pack, i.e., the trade price to the retail pharmacist, is the only price which enables comparisons to be made on a uniform basis and which it is practicable for the manufacturer to quote. A manufacturer cannot very well give the "total cost to the N.H.S." since that varies according to the quantity ordered on a particular prescription. A "retail" price cannot be used generally because many medical specialities do not bear such a price. Moreover, the basic N.H.S. price of a medical speciality can be compared with the trade price of an unbranded standard drug for which a retail price is not usually available. The A.B.P.I. has explained to the Ministry of Health why the basic N.H.S. price is being given in preference to any other price, and that explanation has been accepted. I might add that the Ministry have expressed their appreciation of the action of A.B.P.I. members in keeping doctors informed of the prices of their products, despite the difficulties incurred when prices change and when the same piece of literature has been produced for both home and export markets.

A. DUCKWORTH, *Secretary*,
Association of British Pharmaceutical Industry

MUSEUM PIECE



A press formerly used for expressing the liquid contents from botanical drugs.

Education by Degrees

SIR,—During the 1914–18 war I was once delivering rations to an outpost on the Macedonian plains. There was I, a so-called educated man—a qualified chemist—sitting on top of a mule—a so-called stupid animal—but I did not know which way to go, N., S., E. or W. to get back to headquarters. But the mule knew and took me back. So much for education. On returning to civil life I intended to try for a science degree, but stupidly took a post as lecturer in materia medica in a private pharmacy school. I think Mr. Maplethorpe's policy for pharmaceutical education is the right one. There will be 650 students spared disillusionment. The study of the sciences appears to blunt one's natural shrewdness. It impairs one's capacity for lying (i.e., of becoming a good salesman, the very sinews of life in our modern age, where the chemist, the artist and the writer become easy prey to the financier and take-over bidder. If the "gross of green spectacles" transaction had taken place in 1959, it would not have been such a bad bargain. According to the Law of Cycles the conditions of 1926 may recur, and Mr. Maplethorpe's policy will then help to prevent and alleviate the hardships of employee chemists. It would also help to prevent the pharmacy becoming a relatively unimportant corner in a self-service, American-type departmental store. The Science and Art of Pharmacy was greater than the individual, greater than the Pharmaceutical Society, greater than the large pharmaceutical combines, but Mammon always wins, and when pharmacy comes completely under the domination of the financiers it will surely die, since the public will — as they are already beginning to do — cease to believe in products made solely for dividends. Mammon pulls me one way. Minerva pulls me another. Indeed, I am quite lost. How would it do for the educational policy and examinations to be conducted by Messrs. Woolworth, Timothy Whites and Mr. Clore?

A. C. HOSSACK,
Coupar Angus

Praise for a Product

SIR,—It's a pet theory of mine that first-class presentation and clever advertising can generally lure customers, but can't fool them. Lyril—Hudson & Knight's new toilet soap—more than proves my point. The bright foil wrapper may help to sell the first bar but customers come back and buy the soap again because this soap lives up to its rather extraordinary claims: it does lather in hard water, it does leave the bath clean after use, and what's more, it does leave the skin feeling really cleaned and refreshed. Its slogan could well apply to chemists as well as customers—at any rate, it's given a lovely, lively feeling to my sales!

A. J. NETHERCOTT,
London, N.11

OVERSEAS NEWS

GERMANY

"Ground-breaking" for a Factory

A NEW factory for the Pfizer organisation is being erected at Karlsruhe, Germany. A "ground-breaking" ceremony, held recently, was attended by Mr. Richard C. Fenton (chairman of Pfizer, Ltd., and general manager of the Northern European and African area, Pfizer International).

UNITED STATES

Tariff Negotiations

THE United States recently announced it would negotiate with Britain, West Germany, Japan, Sweden, Denmark, Belgium and Holland to lower tariffs on a selected list of articles supplied to the American market. Included in the list of articles proposed for consideration are fatty alcohols and fatty acids, and biological, chemical, metallurgical, pharmaceutical and surgical articles of fused quartz or fused silica.

HEALTH SERVICE CHANGES PLEDGED

Labour Party issues policy statement

A NUMBER of changes in the National Health Service are proposed in a Labour Party policy statement issued on August 25 under the title "Members One of Another."

In a section "The Value and Cost of Drugs," the publication states "In thinking of the nation's drug bill, it has to be remembered that new drugs often enable old diseases to be treated at home, without admission to hospital." Dealing with the size of the drug bill the report states "It becomes vitally important to be sure that the pharmaceutical industry is not exploiting the nation's need," and continues, "Some drug firms have substantial research budgets. Others do little or no research, or even production, being merely packaging houses. High-pressure advertising techniques attempt to persuade doctors to prescribe old remedies masquerading as new and expensive preparations. Faced with a barrage of manufacturers' claims, doctors have great difficulty in sifting the wheat from the chaff."

The Party proposes that the Ministry of Health should supply all doctors with full, regular and up-to-date information about the nature, action and price of all preparations that may be prescribed under the National Health Service, and about any equivalent drugs that may be available; that arrangements for testing the value of genuine new products should be extended; that all doctors should be informed of the cost of their own prescriptions each month; that where justified foreign patent rights should be publicly acquired; that the Ministry should take more vigorous steps, in co-operation with the pharmaceutical industry, to bring down the prices of drugs by cutting unjustifiable profit margins; and that research in pharmacology and therapeutics should be actively stimulated, both inside and outside the industry. The programme envisages expenditure of the order of £50 millions a year on hospital buildings. "There will be a full review of establishments related to population and other health needs. Many more specialist posts will be needed and there will be more full-time appointments." After pointing out that, in the hospital service, nurses and other health workers are just as important as the doctors, it promises a general review of salaries and conditions of non-medical staffs and the working of existing negotiating machinery. Maximum delegation, with real responsibility, would be given to Regional Boards and Hospital Management Committees. There would be a Government inquiry into medical education—with special regard to the teaching of medicine in London. The Party contends that many general practitioners still have to look after far too many patients, with the result that they cannot give the time needed to do their work properly. The Party proposes to put that right by reducing the maximum number of patients permitted on a doctor's list, with an appropriate adjustment of capitation fees to ensure that doctors are no worse off. The target is a maximum of 2,500 per doctor, achieved in stages, according to the supply of doctors. The remuneration of general practitioners will be carefully considered when the Royal Commission on Doctors' Pay has reported. "The public wastes many millions of hours every year waiting to see G.P.'s. The remedy is for the doctors to see most of their patients by appointment, though urgent cases will always have to be seen without appointment."

Many doctors' premises "are still dingy, dirty and miserably equipped . . . far too many doctors are working in isolation." To encourage group practice and health centres, financial inducements would be provided and "powers will be taken to control the entry of new doctors into the areas around such centres unless there is clear proof of public need for more doctors." Other proposals include an occupational health service to meet the needs of people at their work; an all-embracing plan to deal with the problems of mental health; development of the home services and treatment facilities provided by local authorities; steps to increase the recruitment of dental students; extended facilities for dental education.

The document states that the present arrangement of using, for eye services, opticians working from their own premises have proved successful, and that opticians should be represented on local Executive Councils. The intention to restore the free health service is reaffirmed. "We shall abolish all charges, including those on teeth, spectacles, prescriptions and surgical appliances." Contributions would have to be reviewed. In the meantime "the employer should pay a fairer share towards the cost of the health service."

NORTHERN IRELAND HEALTH BOARD

A dispensing record in 1958-59

THE number of prescription forms dispensed by chemists in Northern Ireland during 1958–59 was even higher than in 1950–51 when an influenza epidemic caused the dispensing of an unprecedented number. That is stated in the 1958–59 report of the Northern Ireland General Health Services Board. The report adds "The cost per form continued to rise and reached a figure well over 50 per cent. greater than that ten years ago."

The number of chemists providing services increased that year to a total of 624 (eight more) and the number of shops operated by them increased by ten to 703. Three of the shops were opened in villages which previously had no chemist. The number of persons supplying appliances increased by two to twenty-six and the shops operated by them by three to thirty.

The number of prescription forms dispensed during the year, 4,857,732, showed an increase of 171,269 (3·65 per cent.), compared with 1957–58 and was the most ever dispensed in a year. In April-September, there was an average increase of 2·87 per cent, but in April and June the increase was over 6 per cent., "possibly due to unseasonable weather." The second six months showed an average increase of 4·3 per cent. despite the fact that the number for October 1958 was 27 per cent. less than that for October 1957, when there was an influenza epidemic. The demand during the four months, December 1958 to March 1959, however, was a record, the number of forms dispensed being 254,650, or 15·87 per cent. greater than in the similar period the previous year. The number of forms per patient on doctors' prescription lists was 3·68 against 3·59 last year; the average number of prescriptions per form remained the same (1·47).

The average cost per form again rose steeply during the year, reaching a new peak of 11s. 3·31d. in July (1s. 1·44d. higher than July 1957). The remaining months also showed an increase of about 1s. "That continued rise in cost is undoubtedly to some extent attributable to the constant introduction of new and expensive preparations, a factor which seems likely to continue to add to costs each year," comments the Board.

The total amount paid to chemists for prescriptions was £2,229,797. In addition the sum of £346,803 was collected and retained by chemists in charges and £5,317 was paid to chemists in Belfast and a number of larger towns for the provision of rota services after normal hours. The total amount, therefore, received by chemists was £2,581,917, an increase of £233,983, or 9·96 per cent. over 1957–58. Cost of pharmaceutical services during the year totalled £2,321,395, compared with £2,105,830 the previous year.

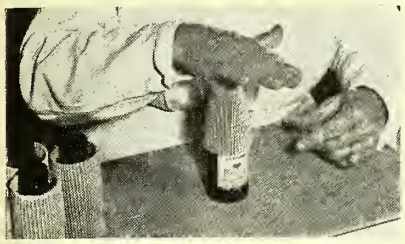
Altogether the seventy-two dispensing doctors received from the Board £92,685 and £9,667 was recovered in prescription charges. The net increase over the previous year was £15,044. The Board notes that at the end of October 1958 the pricing bureau moved to new premises. "Although the accommodation is still inadequate it was possible to recruit some additional staff and make a start on reducing arrears in pricing. Good progress has so far been made."

During the year 104 tests of drugs and appliances were carried out. In ninety-four cases the results were satisfactory, six cases where the results were not considered satisfactory and two where the chemists failed to dispense the test prescriptions were submitted to the services committee for investigation and in the remaining two cases where appliances supplied as received from the manufacturer were found to be below standard the chemists were warned. Complaints against eleven chemists were investigated by the services committee. Two of those were the outcome of some complaints by patients.

USES OF CARBION

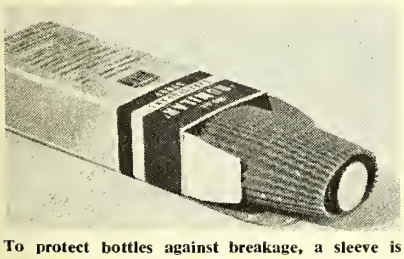
A packaging medium with wide applications

SINCE packaging does not increase the intrinsic value of a product, its cost must be kept to the minimum essential to avoid losses due to damage. Any new packaging material that can give better protection for the same outlay, or equal protection at less cost, therefore deserves careful attention. Recognition of that fact by the pharmaceutical industry is evident from the rapid spread in the use of Carbion, claimed by its manufacturer to represent "a new approach to cushion-packing."



A flexible Carbion sleeve being pushed over a bottle.

Carbion is perhaps better defined as a process than a product, since the technique may be applied to a wide range of materials. The most commonly used base material is straw-paper, which is fed from the reel into a special machine in which rolls with a profiled surface emboss a pattern on it. Under the action of pressure and heat, the characteristic double-wave is permanently imparted to the material which, unlike corrugated paper, therefore tends to regain its pattern even when it is pressed flat. In other words, the material is made to be resilient: a main essential in any packaging product. If the feed of the material through the patterning roll is inhibited, the double-wave pattern is telescoped into ridges. The density of the pattern confers on it a high load-bearing capacity, so that it does not flatten even under considerable weight. The material is also elastic and may be stretched, but tends to contract again when released. That material is known as "flexible" Carbion, while the other is "rigid," though rigid only insofar as

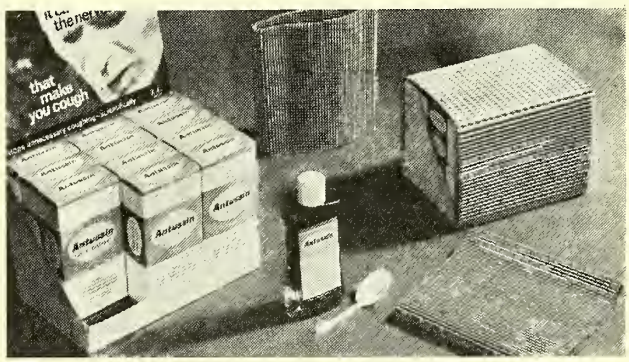


To protect bottles against breakage, a sleeve is here used inside the individual carton. Its scored end folds over to protect the bottom.

it cannot be stretched; it may be bent in any direction without breaking, and thus differs from corrugated paper in another important respect.

The load-bearing capacity and impact resistance of flexible Carbion, and the cushioning properties of the rigid material, open up new possibilities in the packaging field. They are further extended by the choice of a suitable base material. The process may be applied to a variety of bases, and straw-paper may also be laminated to many different kinds of special papers and foil, so that the finished Carbion can be made *p*H-neutral, moisture-repellent, greaseproof, soft or tough, transparent or coloured. In fact the makers (Spicers, Ltd., Langston Road, Loughton, Essex) claim that it may be adapted to fill almost any need.

When fully stretched, flexible Carbion, with its ability to support heavy loads, looks and behaves exactly like rigid Carbion, which is designed to give a cushioning effect. By partly stretching the flexible material, a combination of both properties is achieved, their balance depending on the degree of stretch. That feature is exploited by forming the flexible material into tubes or sleeves and by pulling them over bottles, jars, ampoules, etc., that require protection. By having a smaller diameter for the sleeve than that of the object they are to contain, the required amount of stretch is obtained. The sleeves, supplied in correct length and diameter, are simply pushed over the bottles.



An outer sleeve holding twelve cartoned bottles in display pack.

While for many products Carbion is intended to provide protection only during transport from manufacturer to wholesaler or retail chemist, it is sometimes desirable to extend the protection to the ultimate user by inserting the sleeved bottle in an outer carton. The method formerly employed was to use two pieces of corrugated fibreboard, one bent over to wrap around the sides, the other bent to fold over the top and bottom of the bottle. The need to bend the boards and the difficulty of inserting a bottle and two pieces of board into the carton made that a comparatively slow job, while the fit could not be made so tight as to prevent the bottle from "rattling" in its carton. Now the sleeve is pushed over the bottle and slipped into the carton in half the time formerly required. The resilience of the sleeve makes the bottle "rattle-proof" in its carton and drop tests have shown that the protection it gives is far superior. The bottom of the sleeve is lightly scored so that it folds over the bottom of the bottle; a slight projection at the top protects the other end.

Outer large sleeves may be used to protect display containers.

Both flexible and rigid Carbion are available flat, normally supplied in rolls or as sheets cut to required size. In its flat form the material is most often used as a liner or interleaver in crates or cases, so as to provide additional protection against impact, abrasion and pressure in transit.

Evans Medical, Ltd., one user in the pharmaceutical industry, are employing both rigid and flexible Carbion to make up mixed packs (wholesalers' orders for different products in miscellaneous quantities). The new method, which replaces the use of wood wool and other traditional packaging materials, results in packs that are not only quicker to make up and safer in transit, but are also smaller and lighter and therefore allow of considerable savings in transport charges.

In decorative materials or laminated with paper that can be coloured or overprinted, Carbion makes a most attractive pack.

U.S. DEVELOPMENTS

Comparative Research

In a recent survey of basic industrial research in the United States it was shown that published papers were derived from the following industries: Chemical, 833, pharmaceutical, 624; electrical, 501; petroleum, 384; other industries, 686. The following companies published research papers: American Cyanamid, 107 (sixty from Lederle Laboratories division); Merck, ninety; Eli Lilly, fifty-four; Upjohn, forty-four; Burroughs Wellcome, thirty-five; Abbott Laboratories, thirty-two; Parke, Davis, thirty-two. Other pharmaceutical companies published smaller numbers of papers.

Tooth Replacement Banks ?

DR. R. L. Hoffman, at Illinois University, has achieved 72 per cent. of successes in transplanting teeth in hamsters. His results, reported at a recent meeting of the International Association for Dental Research in San Francisco, suggests the eventual establishment of tooth "banks." Dr. W. Lefkowitz (Ohio

State University) used teeth at an embryonic stage of development from "donor" rats and successfully introduced them under the gum or under the skin at the back of the mouth of other rats of the same strain. He found that the method failed when the teeth were transplanted into empty sockets.

Cancer Research Theory

The theory that carcinogens increase nutrient diffusion through cell membranes, thereby allowing affected cells to multiply and develop at a faster rate, has been advanced by Antelman (Hampshire Chemical Corporation, Nashua, New Hampshire). Taking gelatin as a medium simulating protoplasmic cell constituents, he introduced carcinogens of differing activity and other substances into it and noted the diffusion rates. An accelerated diffusion rate was shown to be the characteristic result of the presence of a carcinogenic substance.

PACKAGING NOTES

Aerosol Cans Plant. — John Dale (Bury), Ltd., Bury, Lancs, have laid down an automatic line for the manufacture of various types of aluminium aerosol cans and similar containers. They claim that the line is operated by some of the most modern equipment available anywhere in the world today.

Selling Agents. — Colodense, Ltd., Bristol, 3, designers and suppliers of flexible packaging materials, are now acting as selling agents for Hargill, Ltd., Cheltenham. Messrs. Hargill specialise in the design and manufacture of cellulose acetate packaging, "tailor-made" to display and position any individual item or combination of articles. They also make a range of standard transparent packs.

New Aerosol "Dispenser."—A transferable "dispenser" unit for aerosol cans has been introduced recently by Universal Metal Products, Ltd., Salford,



Lancs. The unit operates by one depression, releasing a controlled amount of the product and is fitted on to an aluminium can. The plastic parts of the "dispenser" are injection moulded, and two types of spout are available: straight and shaped, as shown. The makers claim that it is only a moment's job to transfer the unit from the empty can to the full by exchanging the ordinary metal cap for the "dispenser" unit.

A Polythene Scoop.—Latest addition to the range of polythene products marketed for industry by Tool Treatments (Chemicals), Ltd., Colliery Road, Birmingham Road, West Bromwich, Staffs, is a scoop in white rigid sterilisable polythene which does not sag or bend when full. Combining strength with lightness (it weighs 6½ oz.) and being impervious to chemical action, it is claimed ideally suited for handling acid and alkaline substances.

Pre-packaging Machinery.—Available from Autopack, Ltd., Caroline Street, Birmingham, 3, is a leaflet on the company's range of pre-packaging machinery, covering some of the more important of the company's latest machines. Messrs. Autopack state that their wide range of automatic weighers enables them to offer "the best machine for each specific application," and a variety of combinations for bag and carton feeding and conveying further to reduce labour costs and cut floor space to a minimum.

An Aerosol Packaging Service. — A specialist contract aerosol packaging service "for the smaller manufacturer" is offered by Bardro Aerosol Packaging Co., 2A Parkhurst Road, London, N.7. Messrs. Bardro undertake short runs and help in manufacturers' research and development during the test marketing stage. Messrs. Bardro are able to pressure-pack in aerosol form products with oil, water or alcohol bases, liquid and foam products, space sprays and surface coatings and advise on propellents, valves, cans and all other technical details "so as to make the transition for manufacturers without those facilities both easy and cheap." The company also offer to assist in adapting existing brand presentations to suitable formats.

A Tear-strip Device.—A new tear-strip device that may be incorporated in transparent cellulose-film bags to enable them to be opened quickly down the face, gussets or seam, is being marketed by E. S. & A. Robinson, Ltd., 1 Redcliffe Street, Bristol, 1. Known as Kwik-Rip, it allows the bags to be opened either completely or only in part so that the bag can be used as a "dispenser." The device consists of a red strip or black hairline incorporated in the bag during manufacture. An advantage of locating the strip in the seam of the bag is that the film overlaps at that point, so that the hole left by the punched-out "starter" tab is backed by the underlying film, giving a leakproof and hygienic pack. The starter tab may be positioned anywhere along the tear line, and designed to tear in either direction—instructions for the user being printed accordingly.

A Flexible Strapping Material. — A new form of strapping material has been introduced jointly by P. P. Payne & Sons, Ltd., Haydn Road, Nottingham, and the Package Sealing Co., Ltd., 44 Uxbridge Road, Ealing, London, W.5, to meet the need for securing and reinforcing fibreboard containers, flatted cartons, unit packs and paper sacks, etc., without damaging either the outer packing or the contents. The material is made of virgin wood fibre twisted into yarns and bonded together to produce a strong, flexible, flat strapping with a high tensile strength. It is available in varying widths and may be applied under considerable tension with a simple, easily operated strapping tool. Joining of the strapping is effected with a seal of special design, and seal strengths of between 75 per cent. and 80 per cent. have been achieved. Among advantages claimed for the new strapping are that it conforms closely to packages of different shapes, thereby providing better closure and security, is weatherproof, and does not rust or stain. It may be handled without danger of injury to workers and does not damage other packages encountered in transit. A knife or scissors will cut the strapping, and it is easily disposed of by burning. A floor-stand "dispenser" holds the strapping, which is supplied in traverse wound coils of up to 3,000 ft. The centre of the dispenser also acts as a receptacle to hold the seals. The strapping is finished in natural colour or printed in a variety of different colours and types at a small extra cost. The material is marketed as Quikstrap banding tape by Messrs. Payne and as Pakseal multiband strapping by the Package Sealing Co.

New to Britain.—Monobloc cans—hitherto available only in two or three Continental countries—are now being produced in Britain by the metal department of Universal Metal Products, Ltd., Salford, Lancs. The one-piece aluminium container, available at present in 6-oz. size, is designed to take the standard 1-in. aerosol mounting cup. The mounting cup orifice and the bead can be maintained in the Monobloc can to much more accurate dimensions than with conventional cans and the possibility of leakage due to faulty crimping of the valve is thus practically eliminated. In addition to its more attractive appearance, since the base is in one piece with the body, the method obviates the chances of corrosion due to bimetallic action, such as can occur with the usual aluminium can fitted with a tin-plate base. Nor is there any possibility of leakage or rusting at the base. Because of its unit-type construction, the Monobloc is extremely strong, and the absence of seams makes it of great importance for nitrosols [nitrogen pressure packs] where it is essential that there should be absolute gas-tightness. The U.M.P. Monobloc is available with plain or coloured shoulders, and may be decorated in any way to customers' specification. The company has also developed a range of internal lacquers for additional protection, so that almost any product suitable for aerosol packaging may be packed into the Monobloc.



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Take advantage of this extra publicity, for slimming is never out of the NEWS and customers gained in the Summer can be kept in the Winter.

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The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

TELEPHONE CENTRAL 6565

Professional Responsibility

OLDER pharmacists are able to recall the time when, for all its responsibility, the practice of pharmacy was relatively clear-cut. At that stage the Dangerous Drugs Act had removed drugs such as laudanum from the reach of any who had previously been able to procure them too easily for their own good. A fairly clear line appeared to have been drawn between harmful and harmless substances, and for some years there was a period of comparative stability, broken by the need to control the group of drugs loosely classified as barbiturates.

In the years since the 1939–45 war ended, however, so clear a division has tended to become blurred by the rapid development of new substances used in the treatment of illness and disease. A wide range of drugs defying classification has sprung into being, and it may take years for a proper assessment to be made of the place such substances will finally occupy in the esteem of the medical profession and the public. Some, now of doubtful safety, may ultimately prove to be harmless. Others, apparently innocuous, may be discovered to be drugs of addiction.

It is the task of research workers in industry to try to find drugs which, while relieving pain, or producing sleep, or overcoming the nervous tension associated with the age in which we live, are free from the harmful effects inherent in drugs of older acceptance. It may be that the time will come when substances produced for a range of conditions will not be given the benefit of the doubt so far as possible addiction is concerned, and that they will be immediately put on to a restricted list until they have proved their innocence. While it is a good thing that, in our country, a person is deemed innocent until proved guilty, it may be doubted whether it is good sense to apply the same principle to drugs. In present conditions a new drug is not controlled in any way by existing legislation, and there is no legal barrier to its free sale. It is in that field that the pharmacist of today finds himself in a difficult position.

From questions asked recently in Parliament it is obvious that public anxiety has been aroused in connection with certain new drugs. The Minister of Health, answering such a question in the House of Commons on a recent occasion, stated that a proprietary tablet used for reducing weight was among drugs that are being considered by an inter-departmental committee on drugs of addiction in order to evaluate its habit-forming characteristics.

Meanwhile the position of the pharmacist is difficult in the extreme. In the Statement upon Matters of Professional Conduct issued by the Pharmaceutical Society, clause 18 states: "Articles or preparations which in the opinion of the Council should be supplied only to or on the prescription of a medical practictioner, dentist or veterinary surgeon or practitioner should not be supplied otherwise after due notice has been given." Such notice, in regard to the particular product mentioned in the Commons question, has been given. It is professional advice on a professional matter, given presumably after careful consideration. By his attitude to such advice it is possible to measure the professional status of a member of the Pharmaceutical Society. There are pharmacists who scrupulously follow such advice. There are many who, even before the advice was offered, had themselves voluntarily restricted the sale of the product to those producing a prescription. But there are, unfortunately, others whose professional and commercial instincts appear to be at variance with those of their colleagues and who not only sell the product on demand but create further demand by window displays. In the absence of legal restriction, that course of action puts those who act on the advice of the Council in a most invidious position, for no argument on the part of those who conform can be convincing in the face of a competitor who displays the product for sale in his window.

It may be that the expert committee investigating the question will, in due course, absolve the product from the properties of which it is suspected. That is not the point. The probationary period for new drugs should, many professional people argue, initially be controlled. Until that position is recognised, the pharmacist should have regard to his reputation. It will be enhanced by referring to their medical advisers those customers who would purchase such products and take them without medical advice or supervision.

The most recent statement by the Council of the Society (*C. & D.*, August 22, p. 80) has extended the injunction to many other products. Unfortunately the Council has not drawn up the instructions—they cannot be regarded as otherwise in view of the existence in the background of the Statutory Committee machinery—as precisely as it should have done. The injunction is, no doubt, intended to cover any preparation of the listed drugs, irrespective of the manufacturer, and a quick perusual might result in the interpretation that the list of proprietary preparations was exhaustive, no other similar preparations being yet, by inference, controlled. We must make the point, however, that emphasis should be on the drugs and not on the particular proprietary preparations. Some indication should, moreover, be given by the Council of what is intended by the words "should not be supplied except on prescription." Is it the intention that the patient should produce a new prescription every time? And if a patient once has a prescription is the pharmacist to be permitted to dispense it *ad lib.*, especially bearing in mind the specific reference in the statement to the fact that tolerance to many such drugs is rapidly developed? Perhaps pharmacists are intended to treat all the prescriptions as if they were for schedule-4 drugs. If that be so, then it would surely have been desirable to obtain the co-operation of the medical profession before issuing the statement, so that the prescriptions would be written accordingly.

In one part of its statement the Council indicates that the drugs listed should not be supplied to the public except on *medical* prescriptions and later that "the preparations . . . should not be supplied except on prescription." Since the supply of a preparation is doubtless the supply of a drug, it might be assumed that *medical* prescriptions are required invariably. Thus counter prescribing, in which some rights to the pharmacist have hitherto been assumed to exist, is outlawed. And what is the position regarding a veterinary prescription for those drugs? Lest it should be said that that observation is a mere quibbling in words, we may recall that the section of the "code of ethics" that dealt with the advertising of dispensing services caused difficulties during its early stages by reason of the loose wording of the paragraph. If the Council intends its new statement to have the authority and decisive effect we believe it desires, then the instructions should be worded clearly and without any ambiguity. Those who desire a high professional standing for pharmacy, and are willing to accept the inevitable restrictions such a result entails, will want to be assured that others, whose commercial instincts are greater as motivating influences than their professional outlook, should gain no mean or unfair advantages thereby.

The pharmacist's professional reputation is crucially at stake in these matters. If, by their professional outlook, pharmacists show the desired degree of discrimination, then more onerous restrictions imposed by legislation may be avoided, and that is no doubt a desirable ideal. There will, of course, long remain a disputed territory between what is required by statute and what is dictated by professional standards.

Money Matters

To those of us who are primarily concerned with balancing the weekly budget the report of the Committee on the Working of the Monetary System (H.M. Stationery Office, price 15s.) is likely to be put aside for something more attractive, something more likely to impart a buoyant atmosphere to life. Those pharmacists who do delve into its pages will look for something in the technical subject discussed that might reflect a similarity to the one in which they themselves are most experienced: their own profession, and more particularly the part of their work that is most subject to governmental control—their work in the National Health Service.

If so the recurrent theme of the report—the need for more information, statistics and discussions, will undoubtedly have a familiar ring. But this time somebody else is being asked to supply better information and provide statistics.

For various reasons the report will be consulted by economists and politicians for some time to come. There are some matters in it that are of immediate interest to the pharmaceutical industry. There is, for example, the recognition of the special problems of financing the commercial development, by small businesses and private companies, of new inventions and innovations in technique. The amount of capital required to finance a development may be larger in relation to a small company's capital structure and apparent earning prospects than the existing financial institutions would ordinarily feel justified in providing. Furthermore the risks in the commercial exploitation of a technical innovation are often likely to be greater than those involved in expanding an existing line of production or widening one's interest in existing types of business.

Considerations of that kind make it difficult for a company that wants to develop an invention to convince potential financiers that their money will be well invested. To meet that situation the Radcliffe Committee suggests the setting up of an Industrial Guarantee Corporation with Government backing. The Corporation would give guarantees only to financial institutions, which themselves would put up the money. Those institutions would remain responsible for deciding whether or not to lend the money, though the Corporation would provide or obtain technical advice if necessary. The Committee suggests that the new corporation might be well able to use the experience of the National Research and Development Corporation which has received much publicity lately in connection with the "Hovercraft." Less well known is its interest in the development of new drugs.

The merit of the scheme is that the manufacturer in search of financial backing would be able to approach a number of finance institutions, which might take a more venturesome attitude towards new developments than they have been in the habit of doing in the past. Perhaps a wider application within the pharmaceutical industry will exist for another suggestion made by the Committee following its consideration of the existing means of the transfer of payments. For the small everyday ordinary transactions notes and coins will continue to be the best means. The banking system appears adequately to cater for the major transactions of the large industrial concerns. But the Committee considers there may well be scope for extending the means of transferring payments in respect of transactions such as "payments by companies of pensions to retired employees and payments of trademen's bills and credit accounts by persons." There is some evidence, the Committee reports, of a demand for some simple transfer service without the ancillary services that the banks offer to their customers. The Committee suggests that it might be possible to institute a "giro" system to be operated by the Post Office if no simple system of transferring payments is provided by commercial institutions.

The "giro" system is widely used on the Continent. Its effect is that any concern or person can open an account by paying cash or a cheque into a Post Office. Each account has its own number, and transfers from one account to another are effected by a written instruction to the Post Office to debit the "giro" account of the payer and credit that of the payee, each of whose account numbers are given on the instruction. Several payments may be included on a single instruction that is handed in at the Post Office or sent through the post. Checks are carried out at a central office, the transfer effected and both parties are notified accordingly by return of post. No other banking facility is provided, and account holders are not permitted to overdraw. In some countries the cost of running the service is sometimes reckoned as being covered by the interest value of the balances, so no charge is made to account holders; in other countries a charge is made for the use of the service. The Post Office officials in this country are understood to be studying the proposals of a subcommittee of the clearing banks and examining the whole problem of the payment transfers.

Onward from Galen

A CURRENT CAUSERIE

ONE reads with mixed feelings, as a pharmacist, a recent paragraph in the London *Evening News* headed "Hospitals Need Chemists." If it had rested at the subtitle: "Higher pay plea," we should have nothing but praise for the journalist who dealt with the story and seized so surely on the nature of the issue. We should have welcomed most warmly the news that the Lambeth Hospitals Committee is urging the Minister of Health to introduce higher pay for pharmacists. That is the correct remedy for the shortage and the Ministry does still need to be reminded of it. To that extent we congratulate the hospital pharmacists of Lambeth on getting such valuable publicity for their cause in the London evening newspaper with the largest circulation. There is just one fly in the ointment. Drawing attention to the shortage of staff in the hospital pharmacy department and explaining that "pharmacists in private business in the town are having to carry out out-patients' prescriptions," the Committee comments "We are perturbed by the risks and disadvantages in this system." Disadvantages, yes. But what risks ?

★

ARE pharmaceutical chemists in Britain today exploiting fully the opportunities open to them by reason of their professional and technical skills ? The question is prompted by newspaper paragraphs recently seen. One, describing the visit to this country of a party of Negro women from the United States, recorded the interest of one member of the party in finding out the extent to which hair straightening facilities are provided in this country. Do they keep pace with the increase of West Indian immigrants, for example ? We wonder how many chemists stock the proprietary preparations available for the purpose. The other paragraph, which appeared in the *Manchester Guardian* (it had not then dropped the "Manchester") on August 18 under the title "aboriginal cosmetics," described how a Mr. Sidney Liebert, of Sydney, Australia, developed a "unique and fascinating form of special merchandising" by manufacturing Sing Sing paint (the local name for war paint) for the natives of New Guinea. "They [the paints] are packed," said the paragraph, "in fancy jars and tins and have names like Fifth Avenue, Commodore and Miami." One may admire Mr. Liebert's undoubted enterprise while hoping that his "special preparation to a scientific formula" of a product that formerly, no doubt, was very much "secundum artem," coupled with his applied psychology in the fancy packs, is not so successful as to sow the seeds of World War III. British pharmacists may lack Mr. Liebert's particular opportunity but there must be others only waiting to be exploited. Perhaps what is wanted in the West is a war paint whose blood-curdling native title may satisfy and sublimate aggressive tendencies. By simultaneous activity on both fronts, who knows ?—perhaps the Twain—East and West—may eventually meet.

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THE distinguished American pharmacist and philanthropist Joseph Jacobs was born at Jefferson, Georgia, a century ago on August 5, 1859. After attending the local Martin Institute, he was apprenticed at the age of fifteen to the physician-pharmacist and discoverer of ether anæsthesia, Crawford W. Long, at Athens, Georgia. While employed in Long's pharmacy, he attended classes in chemistry at the University of Georgia and subsequently at the Philadelphia College of Pharmacy, where he graduated in 1879. He spent five years at Athens as a manufacturing pharmacist before moving in 1884 to Atlanta, Georgia, where he bought a pharmacy, which grew into a chain of sixteen stores operated under the name of the Jacobs Pharmacy Company. Jacobs took an active interest in the affairs of the Georgia State Pharmaceutical Association and of the American Pharmaceutical Association. A lifelong admirer of his apprentice-master, he was responsible for erecting the statue of Long in the National Hall of Fame at Washington. He also founded the American Burns Club.

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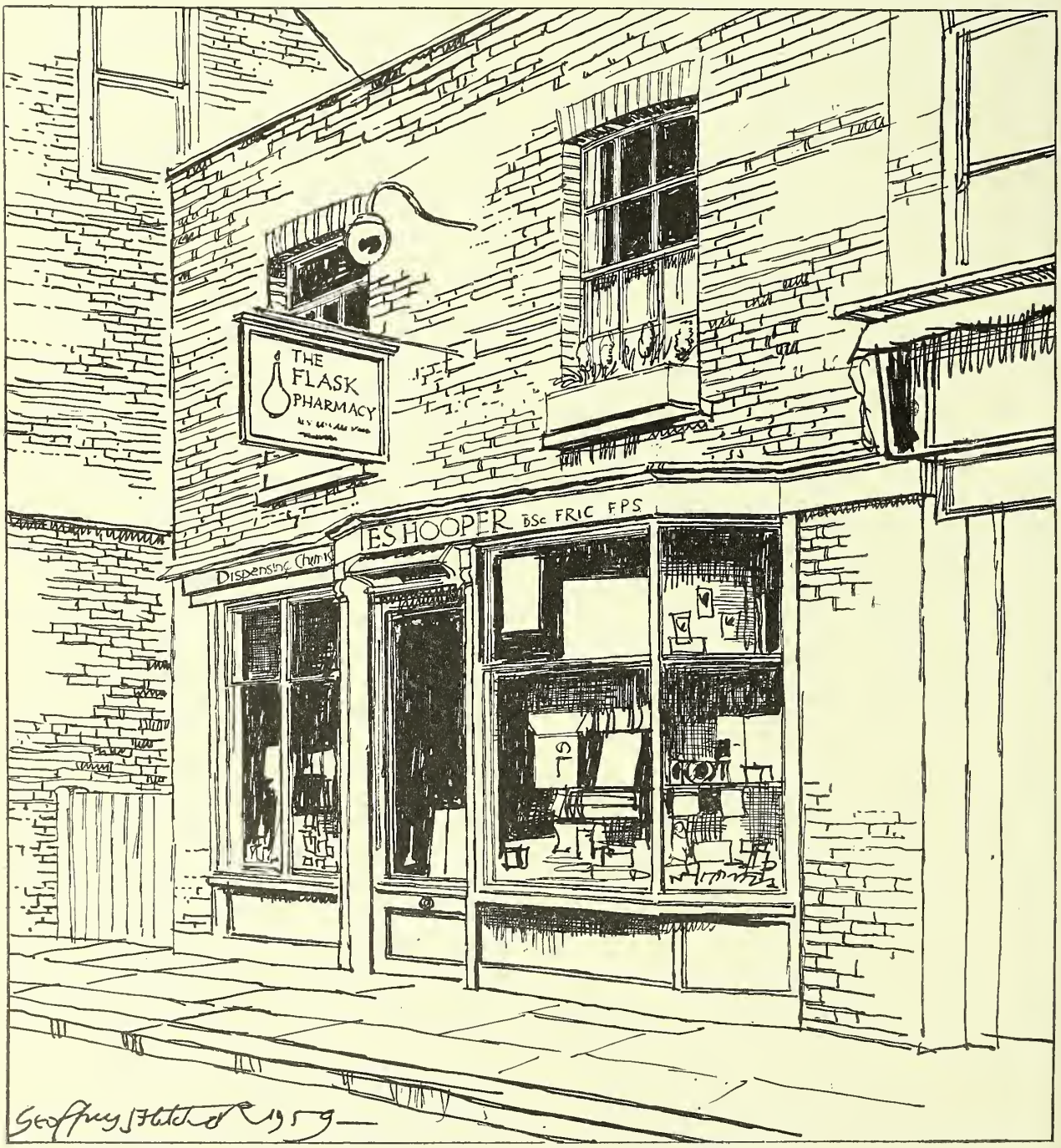
ALSO born a century ago on August 5 was Thomas Burr Osborne, who devoted his life to biochemical research in what was, in his early days, an almost unexplored field. The son of a New Haven, Connecticut, lawyer, he was educated at Yale and graduated B.A. in 1881. Then after obtaining his Ph.D. in 1885, he became an analytical chemist at the Connecticut Agricultural Experiment Station, whose director (S. W. Johnson) aroused his interest in biological chemistry. In 1888 Osborne began to study the proteins of no less than thirty-two different seeds, showing them to be well-characterised substances; he crystallised many of the seed globulins and analysed the amino acids which they yielded on hydrolysis. With H. Gideon Wells of Chicago he investigated in 1910 the anaphylactic reactions of vegetable proteins. Between 1909 and 1928 he collaborated with Lafayette B. Mendel (professor of physiological chemistry at Yale) in a classic research on nutrition. Feeding rats on mixtures of purified foodstuffs—the so-called "synthetic" diets—the two workers found protein-free milk to be deficient in something that was essential for proper growth. Feeding experiments were carried out in which part of the lard in paste foods was replaced by butter, and it appeared from them that butter contained a substance that strongly influenced growth: a nutritive factor subsequently termed vitamin A. Osborne and Mendel submitted their findings to the *Journal of Biological Chemistry* on June 21, 1913, but they were anticipated by E. V. McCollum and M. Davis who, on June 1, had to the same journal sent a paper describing their discovery of that essential nutritive factor in an ether extract of egg yolk as well as in butter. With Mendel, Osborne wrote more than 100 papers on various aspects of nutrition over a period or twenty years. His monograph, *The Vegetable Proteins* (1909, revised edition 1924) was long a biochemical classic. During the last seven years of his life he was a research associate in biochemistry at Yale University and enjoyed full professional status. Recognition came to him early in his career; he was privileged to see all his papers translated and republished in German journals as they appeared. In 1910 Yale made him an honorary Sc.D., and in the same year he was elected to the National Academy of Sciences. Two years later he became on honorary Fellow of the Chemical Society, and in 1928 he was first to receive the Thomas Burr Osborne gold medal founded by the American Association of Cereal Chemists. An infinitely careful and painstaking investigator, who expected the same high standards from his associates, Osborne would cheerfully scrap months of work and start afresh. Generous to young colleagues, he was shy and retiring, and dreaded the ordeal of having to lecture in public, even to a small audience, though he could be a formidable opponent in argument. He died on January 29, 1929.

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NEW pharmaceutical legislation is in contemplation in the Republic of Ireland but it is still not possible to state when it will be introduced. An official of the Department of Health has said that its introduction will depend on the conclusion of negotiations between the Pharmaceutical Society of Ireland and other interested bodies, but the Bill has been further delayed by a decision of the Supreme Court that provisions in the Solicitors' Act relating to the removal of solicitors from the roll by the Incorporated Law

Society of Ireland are unconstitutional. That discipline affects disciplinary powers by all professional bodies over their members. A spokesman for the Pharmaceutical Society has stated that discussions have taken place with the other interested organisations, and that full agreement on the proposed new legislation has been reached on all but one point. Negotiations on that point have apparently been held up by examinations, but agreement on it is expected to be reached in the near future. Everyone appears agreed on the desirability of new legislation, and there is no doubt that it will be in the public interest to have the new statute passed. Irish pharmacists are practising under the Poisons Acts of 1841 and 1870, and whole new fields in pharmacy have been opened since then. Many of the provisions of those Acts, and of the Pharmacy Act, 1875, are not only out of date but are a handicap on the profession.

PHARMACIES OF BRITAIN — 82



THE FLASK PHARMACY, HAMPSTEAD

In the days when Hampstead was a minor spa, with water accredited with curative properties, the flasks for containing the water were kept in Flask Walk. It is therefore not inappropriate to find a pharmacy in that footway between two thoroughfares. The Georgian shop, which is quite small but attractive (with hyacinths in window boxes at the time the drawing was made), was opened as a pharmacy by Miss E. S. Hooper, B.Sc., F.P.S., in 1922.



BRIDPORT TOWN'S COFFEE TAVERN

Latest enterprise of a local pharmaceutical business with a romantic history

HISTORICALLY one of the most fascinating of British pharmacies, Beach & Co., Bridport, Dorset, recently extended its activities. Above the low-ceilinged, timbered old pharmacy is now a most unusual coffee tavern! The combination of tavern and pharmacy is not so incongruous as it may first seem because the building, which dates from the sixteenth century, was originally a beer tavern: the George Inn.

It was there that King Charles II sought refuge from his pursuers on September 23, 1651, an incident recorded by Sir Frederick Treves in his "Highways and Byways in Dorset."

> "He [the King] was attended by Colonel Wyndham and by Miss Juliana Conings by. The King was disguised as the Colonel's servant, while Juliana rode pillion behind him. Lord Wilmot and a man named Peters were following at some distance. When the party reached Bridport they put up at the George Inn. The town was unfortunately full of troops at the time and while Juliana was anxiously watching at the tavern window for the coming of Lord Wilmot, the King was pushing his way—in the character of a dutiful groom—through a crowd of Cromwellian soldiers in the inn yard. As soon as Wilmot arrived the fugitives made off from Bridport by the Dorchester road."

Not surprisingly, the proprietor, Mr. J. K. Hardy, M.P.S., calls his new venture the King Charles II coffee tavern.

The work of restoring the premises to accommodate the tavern took just over two years to complete. The tavern itself was formerly divided into three rooms above the pharmacy, and they have been turned into a single spacious dining room with accommodation for sixty people at a sitting. In taking down one of the dividing walls the builders found a letter bearing the signature of Michael Faraday. The letter is on the official notepaper of the Royal Institution, of which Faraday at that time (the letter is dated April 27, 1839) was the secretary. In the letter Faraday



At top, part of the coffee tavern showing one of the original walls; above, the fireplace.

expresses thanks to a contributor to one of the Institution's weekly evening meetings for his "mode of photogenic drawings." The letter now hangs framed in the restaurant. A number of other interesting finds were made, not least of which were two original stone walls and a sixteenth-century fireplace. After all the plaster had been removed the two old walls were cleaned and pointed and now add "character" to the tavern. The most imposing feature of the room is, however, probably the fireplace, which has a two-ton lintel in Ham stone believed to have been quarried near Yeovil. The fluted stone columns supporting the lintel were also cleaned and renovated and are quite decorative. The fireplace recess is 8 ft. wide and 4 ft. high and the lintel above is 3 ft. high. Mr. Hardy had a special iron basket made, in which are some logs and an imitation fire, and that now stands in the fireplace.

The dining-room of the coffee tavern is L-shaped, the fireplace and wall being at the end of the longer arm, the entrance at the join, and at the end of the smaller arm is an alcove where espresso coffee is prepared for serving. By the smaller wall facing the fireplace is a glass case containing a figure, estimated to be of fifteenth-century origin, of a man on horseback. The figure was recovered when the building was re-roofed. It is made from a metallic two-handled jug, the horse from an earthenware bottle. Many toys were also found during renovation, some of them dating from the Victorian era.

Work on the renovation was started in 1957, but that year Mr. Hardy's wife and eldest child were taken ill with poliomyelitis [fortunately, both are now able to get about],







Top left, the facia, though renovated, is little changed from the original as are the dispensary (bottom left) and the shop (at right).



Dr. G. L. Roberts, founder of the business.

and Mr. Hardy was unable to give much attention to the pharmacy for a period of three and a half months, during which work was delayed. Mrs. Hardy helped her husband plan the interior decoration of the tavern, the walls of which are in primrose yellow, with the two original stone walls in their natural colour. The ceiling is white, the floor covered with red and black carpeting. The Hardy family had quite a pleasant time hunting for furniture, one of their bargains being a solid oak, hand-carved sideboard bought for £3 10s., and Mrs. Hardy selected the curtain material for the two bay windows. Set in one of the bays is an old stone mortar now filled with flowers, in the other a potted palm; another palm is on the stairs leading up to the tavern. There was some difficulty in obtaining the palms—for Mr. Hardy could find no-one in the West of England able to supply them, and they were eventually purchased from Edinburgh! Lighting is by electric lanterns, from both ceiling and walls, the ceiling lighting in the larger section of the tavern having been specially designed (six lanterns round a trap-wheel that Mr. Hardy had made by a blind blacksmith whose forge is a few minutes' walk from the pharmacy; the same blacksmith made most of the wrought-ironwork that decorates the tavern, including the imitation log-fire basket).

The kitchen at the rear of the tavern is all-electric: grill, hot-plates, oven, water heating, dish-washer and refrigerator. One of the specialities of the tavern is home-made cakes, some of them made by Mrs. Hardy herself. The menu covers hot and cold beverages, soups, savouries, ices and sweets, afternoon teas, etc., and light lunches. Mr. Hardy employs a manageress who has had considerable experience in the catering trade, and there are two cooks and four waitresses. Entrance to the coffee tavern is gained either through the pharmacy or through a side passage in which are old timbers revealed during the restoration work.

Mr. Hardy settled in Bridport in 1947. He qualified in 1935 after studying at Manchester University and worked in London, Jersey and Cardiff before, in 1940, volunteering for service in the Royal Air Force. After demobilisation he took a number of locum appointments to familiarise himself with the advances in pharmaceutical practice, and eventually,



The beach kiosk at West Bay.

after answering an advertisement in THE CHEMIST AND DRUGGIST, was appointed qualified assistant to Mr. Thomas Edgar Beach at the Old Pharmacy, Bridport. He was then given the opportunity to purchase the pharmacy, which he did. Mr. Hardy had in mind ways in which the business could be improved in the face of competition from branches of multiple chemists within twenty or thirty yards on either side, and from three other pharmacies. The fact that Bridport has, in the past few years, developed as a thriving holiday resort naturally helped, but even so Mr. Hardy owes his success mainly to his own efforts. As Bridport has a population of only about 6,000, competition is necessarily keen.

Founded in 1788

The pharmacy had already a noteworthy history under its previous owners. The founder was Giles Lawrence Roberts, M.D., F.R.C.A., who, according to a book by Arthur Lincoln ("A Methodist Doctor of Ye Olden Time") published in 1898, was born at Bridport Harbour where his father was a pilot and innkeeper. Giles made unsuccessful starts in several trades, became a travelling tinker and studied medicine. Returning to Bridport he set up in business as a brazier, gradually transformed the business into a pharmacy, and also did minor surgery. A letter in Mr. Hardy's possession, apparently written as an obituary on the Doctor, relates that "he commenced business of a chemist and druggist in the year 1788. His beginning was low for he has often been heard to say he began the business . . . 40s. in debt." Dr. Roberts was then twenty-three and despite the "debt" his business prospered. It "was something new and attracted considerable notice in the town and neighbourhood. He was very successful, believing himself capable—which subsequent experience fully proved. He began to practice as an apothecary and the Lord so blessed his endeavours that his name and his fame began to spread not only in his own town and county but extended to the neighbouring counties, Somerset and Devon." Wishing to obtain further knowledge in anatomy and midwifery he went to London in 1794 and was a regular student at Guy's and St. Thomas's Hospital. When he asked for his certificates the reply is understood to have been "Yes, sir, you shall have them and had you applied for them before they would have been granted you, so much pleased are we with your diligent application." Mr. Roberts returned to Bridport in 1795 and added to his practice as chemist and druggist those of surgeon, apothecary, and accoucheur. In April 1797 he had conferred on him the degree of Doctor of Medicine at King's College, Aberdeen, and the certificate and seal are in Mr. Hardy's possession.

"About the year 1800," continues his biographer, "Dr. Roberts began . . . to send to the different towns in the neighbourhood some of those medicines which he found peculiarly useful in private practice and which the lapse of years have brought into more general use, as they have become more extensively known . . ." and, later "the pilulae antiscrophulae and the Poor Man's Friend are not only eagerly enquired after in the immediate vicinity . . . but America and various parts on the Continent of Europe are anxiously welcoming their arrival . . . ."

The glowing tribute to the Doctor and his preparations was probably written for "The Annual Mentor," a gratuitous publication founded by Dr. Roberts about 1820, by one of the successors to the business (Messrs. Thomas Beach and John Barnicott). Each issue was full of "sentimental and humorous essays," maxims and hints, plus, of course, a good proportion of propaganda for and testimonials to the Doctor's preparations, particularly the Poor Man's Friend. That ointment was believed to have been the second best-selling "patent" medicine in Britain in the early nineteenth century. It was available at over 150 places throughout the country. A thriving export business was built up and even today a small number of jars are sent to South Africa each year!

A Collector of Curiosities

Dr. Roberts, according to another letter, "had all his life been a lover of natural and artificial curiosities and spared no time nor expense in his collection in which are to be found some of the most rare and valuable of any private museum. . . ." Apparently visitors, after having been shown the "museum" were encouraged to "drop some offering into the [Wesleyan Methodist Society] Mission box." The Doctor was a lay preacher and his interest in the church is reflected in the design of a number of fittings in the dispensary and shop. Two counters have designs of pointed arches in Gothic style, and that theme is carried out also on a wall from dispensary to shop.

A portrait in oils of Dr. Roberts shows him to have been a small man (about 5 ft.) with ricketty legs, aquiline features and flowing hair. On a table to his right in the painting is a pot of Poor Man's Friend and at his left an electro-magnet about 3 ft. high. Dr. Roberts died on September 16, 1834, at the age of sixty-nine, and bequeathed his business, including all the stock in hand, buildings, etc., to two men who had been his close friends: Thomas Beach and John Barnicott, who carried on the business in partnership.

In 1860 James Beach, believed the son of Thomas, took over. James died in 1903 and his son, Mr. Thomas Edgar Beach, who qualified as a chemist and druggist in 1888, succeeded, trading as Beach & Co. Mr. T. E. Beach sold the pharmacy to Mr. Hardy in 1948, but for two or three years continued to attend the shop to keep himself occupied. He died on February 20, 1955, at the age of ninety-three.

Mr. Hardy has maintained the atmosphere of antiquity in the pharmacy, whilst developing on modern lines elsewhere. The coffee tavern is the main sign of that, but another example can be seen on the seafront at West Bay, just over a mile from the town, where a brick kiosk, successor to an earlier wooden hut, is operated from Easter to September each year. The kiosk occupies itself with such items as beach shoes and films, full use being made of a 24-hour developing and printing service.

A PHARMACIST'S ANTHOLOGY

HOMAIS, CHEMIST

From *Madame Bovary* by Gustave Flaubert

WHAT chiefly attracts the eye is the chemist's shop of Monsieur Homais, opposite the Lion d'Or inn. In the evening especially its argand lamp is lit up and the red and green jars embellishing his shop-front throw their two streams of colour far across the street; then across them, as if with Bengal lights, is seen the shadow of the chemist leaning over his desk. His house from top to bottom is placarded with inscriptions written in large hand, round hand, printed hand: "Vichy, Seltzer, Barège waters, blood purifiers, Raspail patent medicine, Arabian racahout, Darcet lozenges, Regnault paste, trusses, baths, hygienic chocolate," etc. And the sign-board, which takes up all the breadth of the shop, bears in gold letters, "Homais, Chemist." Then at the back of the shop, behind the great scales fixed to the counter, the word "Laboratory" appears on a scroll above a glass door, which about half-way up once more repeats "Homais" in gold letters on a black ground.

AMERICA'S FIRST PROFESSOR OF PHARMACY

A note on Samuel Powel Griffitts (1759-1826)

W. R. BETT, M.R.C.S., L.R.C.P., F.R.S.L.

PIONEER of the dispensary movement in America, and the country's first professor of pharmacy, Samuel Powel Griffitts was born in Philadelphia 200 years ago (July 21, 1759). Still an infant when his father died, he was brought up in the Quaker faith by his mother. In 1776 Griffitts entered the College of Philadelphia, and graduated B.A. at the University of the State of Pennsylvania in 1780. In the process he acquired an excellent command of French, and became fluent in speaking Latin.

Griffitts' interest in medicine was aroused during the War of Independence. At the battle of Germantown, a suburb of North Philadelphia, in October 1777 he volunteered as first-aid worker, going on to study medicine under Adam Kuhn, who had been a pupil of Linné, and who taught materia medica and botany in Philadelphia. The young student served as an apprentice in the Philadelphia Almshouse. After obtaining his degree in medicine at the University of Pennsylvania in 1781, he spent three years in Europe, continuing his studies at Montpellier, France, with Paul Joseph Barthez; in London; and in Edinburgh. At that mecca of Scottish/American doctors he sat at the feet of such renowned teachers as William Cullen, Monro secundus, James Gregory, Joseph Black, and James Hamilton. On his return to America in 1784 Griffitts settled in medical practice at Philadelphia, and two years later founded the Philadelphia Dispensary—the first dispensary for the medical care of the poor in the United States. At that institution, now the out-patient department of Pennsylvania Hospital, he attended daily for forty years.

First Chair of Pharmacy

Griffitts's election to the chair of materia medica and pharmacy at the Medical School of the College of Philadelphia in 1789 was a landmark, for the inclusion of pharmacy in the title of a university of a professor was the first at an American medical school. In 1791 the College was amalgamated with the University of Pennsylvania, but Griffitts retained the professorship until his retirement in 1796. His association with the College of Physicians of Philadelphia, which exerted a great influence upon American medicine, was both distinguished and onerous. One of the original members of the College, he served as its secretary, 1788–96, as censor, 1805–08, and as vice-president from 1818 until his death in 1826. On June 3, 1788, he was appointed by the College's president (John Redman) to a committee charged with compiling a pharmacopœia for use in the College, his fellow members being the president (William Shippen, jun.), Benjamin Rush, Adam Kuhn, and other well-known medical men. The project was subsequently abandoned in place of one of wider scope. On April 7, 1789, "the most respectable medical characters in the United States were circularised for information concerning native American remedies, and attention was drawn to 'the absolute necessity of some standard amongst ourselves to prevent that uncertainty and irregularity which in our present situation must infallibly attend on the compositions of the apothecary and the prescriptions of the physician'." The response was scarcely encouraging.

During his last years Griffitts assisted in the preparation of the United States Pharmacopœia, reading a paper on the subject before the Pharmacopœial Convention of June 1, 1820, the year in which the first U.S.P. was issued. He published little, but his few writings, characterised by lucidity and economy of style, include William Buchan's *Domestic Medicine,* "revised and adapted to the diseases and climate of the United States of America" (Philadelphia, 1795, second edition, 1797), and for several years he edited the *Eclectic Repertory.*

Griffitts was a popular consultant and doctor to fellow physicians (he attended Benjamin Rush in his last illness), for he was widely read, possessed sound clinical judgment, and was sympathetic and benevolent. He made all his professional calls on foot. Regardless of personal safety, he remained at his post of duty throughout the yellow fever epidemics of 1793, 1795, 1797–98–99, 1802, and 1805. A firm believer in the contagious nature of the disease, he advocated isolation and quarantine in its control. In 1793 he himself contracted yellow fever and was bled seven times in five days by Rush. He was both an early proponent of vaccination and an original member of the Vaccine Society founded in 1809. An active abolitionist, he also took an enlightened interest in prison reform and in the insane.

The description left to us of Griffitts is of a man of medium height and wiry constitution, plain in dress, simple in manner, and superficially austere. Griffitts was one of the most punctual men who ever lived. An early riser, he had the habit of reading the New Testament in Greek or Latin every morning. He died, after a brief illness, of coronary occlusion on May 12, 1826, aged sixty-six.

PHARMACEUTICAL SOCIETY

Monthly meeting of Council

(*Concluded from the* C. & D., *August* 22, *p.* 83).

It was reported that a letter had been received from the chairman of Boots Pure Drug Co., Ltd. (Mr. J. P. Savage), agreeing that the balance of £397 remaining from the company's gift of £4,000 for the provision of a lift at the convalescent home should be paid into the Birdsgrove House Fund. THE SECRETARY reported receipt of a cheque for £26 11s. from the Preston Branch to meet the cost of table mats for the House; of a further contribution of £50 from the West Ham Association of Pharmacists for the Cumberland room; and that Mr. A. H. Preston had made a gift of £10 10s. in memory of his wife. It was agreed to use that sum to buy flowers for the gardens.

The Derby Branch notified the Committee that it had £75 available for the purchase of a gift for Birdsgrove House in memory of Mr. K. Green. It was agreed to suggest that one of the new garages should become a memorial to Mr. Green. The County of Kent Association of Pharmacists was reported to have been wound up and its funds transferred for the benefit of Birdsgrove House. The Committee suggested that about £30 should be used for additional furniture for the Kent room in memory of Mr. J. E. French.

The Warden's report stated that, in the month to July 16, forty-five guests had stayed at the convalescent home for an aggregate of fifty-nine weeks, against thirty-five guests and fifty weeks in the corresponding period of 1958. Five contributions, amounting to £15, had been received from guests to supplement weekly payments. Gifts in kind were also recorded. It was also reported that, in the three months to July 16, the average of mid-week guests was fifteen.

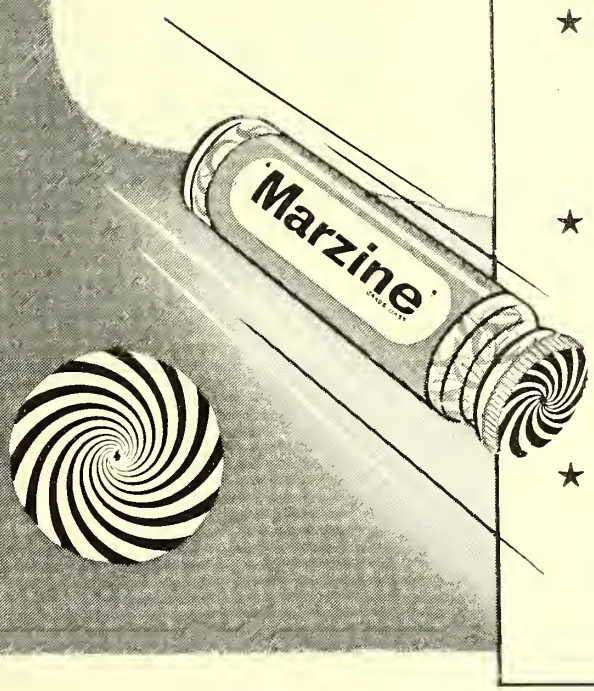
In June the Society's inspectors and agents visited 951 authorised sellers and 339 drug store proprietors and similar traders. Nineteen cases of alleged infringements of the Pharmacy and Poisons Act, 1933, the Pharmacy Act, 1954, the Pharmacy and Medicines Act, 1941, and the Therapeutic Substances Act, 1956, were considered and appropriate action taken.

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JUVENILE MEDICINES

Exhibits in Edinburgh's "museum of childhood"

LAURENCE DOPSON

A "MUST" for pharmacists visiting Edinburgh is the Museum of Childhood at Hyndford's Close nearly opposite John Knox's house in the High Street.

It was surely a stroke of genius to include a case of juvenile medicines in what is mainly a fascinating repository of toys of all kinds, and of and for all ages. Not unnaturally the museum, in the short period it has been established, has become one of the popular tourist attractions of Edinburgh.

"The idea of the children's medicine section was partly inspiration," explains Councillor Patrick Murray, the honorary curator and originator of the museum, "and partly a logical outcome of the overall idea of the museum: to portray all aspects of childhood. Most of the exhibits were picked up by rooting in the older chemists' shops. The Corporation health department found others. One or two have been brought in by visitors. Others have been salvaged from unlikely sources, such as junk shops."

The glass case contains all types of childish medicines and medicinal foods, from syrup of figs to "welfare" orange juice. The captions to the exhibits are informative. "First used in 1782 for chronic rheumatism and from 1841 extensively used for tuberculosis," states the legend by a number of bottles of cod-liver oil. "In 1919 shown to have qualities in rickets." By the cod-liver oil and malt is a reminder that the malt helped to mask the unpleasant flavour of the oil. "While useful in some instances, it is a wasteful way of giving cod-liver oil since only relatively small amounts of oil can be taken in each drop." A commercial example of cod-liver oil and malt is set against a more austerely labelled bottle from the Edinburgh public health department's central dispensary. "The bottle must be returned clean" says the label on the second bottle. It was issued from the Western General Hospital.

Councillor Murray himself presented the box of Allen & Hanburys blackcurrant pastilles. Blackcurrant jujubes were a great favourite in juvenile circles, being regarded either as a sweet or as an unusual and rather delightful medicine. They were also "obtained from the good-natured older type of chemist on the mere authority of a personal statement that one was a 'good' child." "Most chemists gave sweets to 'good children' in my boyhood," said Councillor Murray, "but this particular one was Peter Boa, the man who invented glycerin of thymol." Several visitors to the museum have recalled that amiable habit of chemists.

A "chickenpox mixture" is another exhibit, and there are powders of santonin, kaolin and calcium lactate ("alleged to be useful for children").

Two actual chemists' labels remain on containers. One bears the name "W. Russell, Dispensing Chemist, 38 High Street. Edinburgh" (the museum is at no. 38 High Street). Its content is camphorated oil, "Used for sprains, chronic rheumatic pains and sometimes even applied to children's chests in bronchitis and pneumonia." The label on a bottle of paregoric states that it was "formerly much used as a soothing remedy for infants and young children."

There is a public health department central laboratory container of Nicolson's pills. Another specimen is labelled "Nicolson's Pills?" A sample of tasteless castor oil was supplied by "H. B. Wyllie (successor to A. I. McCallum, chemist, 19 Grassmarket, Edinburgh").

"I want my Mellin's Food" reads an advertisement inspired by the then new moving pictures, for it consists of a vertical series of frames in which a baby shows various expressions culminating in contentment as he sucks his Mellin's food from a teat at the end of a rubber tube.

A health department issue from between the wars is "pulv. infant." (powdered rhubarb, soda and grey powder). The days when Edinburgh had its own pharmacopœia are recalled by the "steel drops" (tinctura ferri muriatis appeared in the *Edinburgh Pharmacopœia* in 1826).

The museum would welcome gifts from pharmacists and others, especially of Mother Seigel's syrup, California syrup of figs, J. & J. baby powder tin, proprietary foods, etc.

NEW BOOKS

A Pocket Book of Proprietary Drugs

A. G. CRUICKSHANK, F.R.C.P.E., and C. STEWART, L.R.C.P. and S.E., M.P.S. *E. & S. Livingstone, Ltd.,* 16 Teviot Place, Edinburgh. 6¼ x 4½ in. Pp. 236. 14s. postage 7d.

COMPILED to help in identifying preparations ordered on prescription, this volume deals with about 1,500 "ethical" products. Entries list the products under their proprietary names, giving the name of the manufacturer, description of the product, indications, dosage and packs. An index associates the product with the name and address of the manufacturer. Preparations advertised to the public are excluded.

Stains and How to Remove Them

S. HOLM. *Andre Deutsch, Ltd.,* 12 Carlisle Street, Soho Square, London, W.1. 7½ x 5 in. Pp. 95. 7s. 6d.

THE removal of stains often presents a problem. Forty-two pages of this volume deal with practical methods that may be used to eradicate the more commonly known stains (ink, cod-liver oil, etc.) encountered in the home. The remaining pages are given over to household hints and toilet preparations.

"Retail Chemist" Trade Price List of Proprietary Articles, 1959

Drury Press, Ltd., 18 York Buildings, Adelphi, London, W.C.2. 9 x 6 in. Pp. lxxvi + 1215. 57s. 6d. to subscribers, 65s. to non-subscribers.

THE edition just published includes products introduced during 1958 and the prices take into account the purchase-tax revisions resulting from the 1959 Budget. In the few instances where manufacturers or agents have not supplied actual details of post-Budget prices the earlier retail and trade price structure has been retained and the purchase-tax column altered to give guidance to the retailer when making sales. Where manufacturers have not supplied actual amount of tax chargeable, the figure has been calculated to the nearest farthing and slight adjustment may become necessary. Listed alphabetically, the items show the maker's name, pack, retail price, cost price and purchase tax where applicable. Manufacturers' names and addresses are separate.

Packaging and Display Encyclopædia

GEORGE NEWNES, LTD., Tower House, Southampton Street, London, W.C.2. Fifth edition. 11⅛ x 8¾ in. Pp. xvii + 705. 84s.

THE increasing awareness of the importance of packaging is reflected in the fact that the fifth edition of this outstanding work has been published only two years after the appearance of the fourth—yet there had been a gap of five years between the third and fourth editions. Despite the short interval, the new edition is a recommended purchase for all actively engaged in work on packaging. Sections dealing with printing, pack presentation, and display have been revised, and note is made of new trends and developments. Among the new features are: "Modern Trends in Packaging; The Radiation Preservation of Foods; Vacuum Forming and Blister Packaging; and The Vacuum Packaging of Non-rigid Containers." Up-to-date information on plastics developments is also given, and other new information includes recent developments in "spray packaging." The important reference sections have been revised and brought up to date. The two particular sections on the packaging of pharmaceuticals and toilet prepaartions are perhaps still too generalised (a criticism levelled at the fourth edition, see *C. & D.,* February 2, 1957) although general aspects of packaging in those fields are broken down in detail satisfactorily in other sections. The Encyclopædia remains worthy of the *C. & D.'s* earlier description "as being without equal in its own field."

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, AUGUST 26: The continued rise in the price of zinc has been a feature in the PHARMACEUTICAL CHEMICALS market. The 2-ton rate for the pharmaceutical grade of ZINC OXIDE is now £116 per ton.

In the CRUDE DRUGS market the seasonally quiet note continued. CASCARA was still quoted at 275s. per cwt., c.i.f., with little business transacted. Among BALSAMS, TOLU, B.P., was a little easier at 14s. 6d. per lb., spot. BUCHU also eased at 4s. 3d. per lb., spot, with new-crop at 4s., c.i.f.

In SEEDS, ANISE was firmer, and for shipment CELERY was easier at 118s., with business reported in London and Continent. Activity in PEPPER continued.

In ESSENTIAL OILS, LEMONGRASS was firmer at 8s., spot and c.i.f.

Pharmaceutical Chemicals

AMMONIUM CHLORIDE. — Makers quote 1-cwt. lots of B.P. powder at 90s. per cwt. and are quoting extra-pure crystals at 126s.

ATROPINE.—Rates for 16-oz. (500-gm.):

	per oz.	per kilo
	s. d.	s. d.
ALKALOID	39 0	1375 0
HYDROCHLORIDE ..	36 0	1269 0
METHONITRATE	39 0	1375 0
METHYLBROMIDE ..	38 6	1357 0
SULPHATE	34 0	1198 6

BENTONITE.—Offers of B.P. material are about £70 per ton as to quantity.

BENZAMINE.—16-oz. lots of LACTATE are 15s. 3d. per oz. and HYDROCHLORIDE 16s. 3d. per oz.

BISMUTH SALTS.—The following are the prices (per lb.) in largest bulk packages:—

	28 lb. to 1 cwt.	1 cwt.	5 cwt.
	s. d.	s. d.	s. d.
CARBONATE ..	22 3	21 9	21 4
SALICYLATE ..	21 9	21 4	20 10
SUBGALLATE ..	21 1	20 8	20 2
SUBNITRATE ..	20 5	20 0	19 6

The 1-cwt. rates (per lb.) for other salts are:— CITRATE, B.P.C., 22s. 8d.; NITRATE, crystals, 14s. 8d.; OXIDE, B.P.C., 27s. 7d.; OXYCHLORIDE, B.P., 27s. 9d.; OXYIODOGALLATE, B.P.C., 28s. 9d.; SODIUM TARTRATE, 35s. 6d.; and TRIBROMPHENATE, B.P.C., 26s. 9d.

EMETINE.—Price for 32-oz. lots of the HYDROCHLORIDE is 270s. per oz. The BISMUTH IODIDE is 127s. per oz.

EPHEDRINE. — ALKALOID, is nominally 6s. 6d. per oz., SULPHATE, 4s. and HYDROCHLORIDE, 3s. 3d. per oz.

GALLIC ACID.—B.P. is 10s. 7d. per lb. for 1-cwt. lots. Technical grade is 9s. 9d. per lb.

GLYCERIN. — Rates for pharmaceutically pure (s.g. 1·2627) are now:—

Annual purchases or spot lots of	Under 1 cwt.	1 cwt. and under 5-cwt.	5 cwt. and under 1 ton	1 ton and under 5 tons	5 tons and under 25 tons
Per Cwt.	s. d.	s. d.	s. d.	s. d.	s. d.
TINS					
14-lb.	281 0	276 6	272 6	268 0	265 6
28-lb.	279 0	274 6	270 6	266 0	263 6
56-lb.	275 0	270 6	266 6	262 0	259 6
DRUMS					
1-cwt.	—	254 6	250 6	246 0	244 6
2½-cwt.	—	251 6	248 0	243 6	242 0
5-cwt.	—	—	247 6	243 0	241 6
10-cwt.	—	—	246 6	242 6	241 0

For 25 tons and upwards the price is from 265s. 6d. to 240s. as to containers. Bulk deliveries in tank wagons from 237s. 6d. to 238s. 6d. Technical grade glycerin, s.g. 1·2627, is 5s. per cwt. less than the above.

HYDROGEN PEROXIDE. — 27·5 per cent. (by weight), £119 per ton; 35 per cent., £143 in returnable carboys.

HYPOPHOSPHITES.—Prices per lb. are:—

	7 lb.	28 lb.	1 cwt.
	s. d.	s. d.	s. d.
CALCIUM, B.P.C...	6 9	6 4	5 11
IRON, B.P.C.	13 9	13 3	12 9
MAGNESIUM ..	11 6	11 1	10 8
MAGNESIUM, B.P.C.	13 11	13 5	12 11
POTASSIUM, B.P.C.	9 3	8 10	8 5
SODIUM, B.P.C. ..	7 7	7 2	6 9

HYDROQUINONE.—Quotations for 1-cwt. lots are 11s. 6d. per lb. or 25s. 4d. per kilo.

MAGNESIUM CARBONATE.—Minimum bulk rate for LIGHT is 121s. per cwt.; HEAVY is 160s. per cwt. for 1-cwt. lots and about 130s. per cwt. for 1-ton lots.

MAGNESIUM CHLORIDE. — One-cwt. lots are quoted at 1s. 10d. per lb.; 5-cwt., 1s. 7d.

MAGNESIUM HYDROXIDE.—Makers' prices for B.P.C. are 1-cwt. lots, 3s. 5d. per lb. and 1-ton, 3s. 2d. per lb.

MAGNESIUM OXIDE, B.P.—Bulk rates are as follows:—LIGHT, 3s. 2d. per lb., and HEAVY, 5s. 10d. per lb.

MAGNESIUM PEROXIDE. — Price (per lb.) for 1-cwt. lots of B.P.C. (15 per cent.) is 3s. 11d.

MAGNESIUM SULPHATE.—Quotations for B.P. in minimum 1-ton lots vary between £18 and £21 per ton according to size of crystal and manufacturer. Exsiccated is £42 per ton. All ex works.

MAGNESIUM TRISILICATE.—In 28-lb. packages the prices (per lb.) are now as follows:—28-lb., 4s. 9½d.; 1-cwt., 3s. 10d.; 5-cwt., 3s. 7d.; 1-ton, 3s. 1d.

PHENOL.—Basic price for ice crystals in drums is 1s. 4½d. per lb. (under 1-ton lots, 1s. 7½d.). Detached crystals, 2d. per lb. above and LIQUID, B.P., ¾d. per lb. below the foregoing prices.

SODIUM BROMATE. — 1-cwt. lots are quoted at 9s. 9d. per lb.

SODIUM CARBONATE. — B.P.C. exsiccated is 70s. per cwt.; 5-cwt., 65s. per cwt.

SODIUM CHLORIDE. — Re-crystallised is 25s. per cwt. and B.P.C., 42s.

SODIUM METABISULPHITE. — Granular in 1-ton lots is from £48 12s. 6d. to £53 17s. 6d. per ton according to packing.

SODIUM PERBORATE. — Prices (per ton) are £145s 15s. in 1-cwt. kegs; £138 5s. in 1-cwt. bags for B.P.C. (minimum 10 per cent. available oxygen). The PERBORATE MONOHYDRATE testing 15 per cent. available oxygen is £309 15s. and TETRAHYDRATE, from £131 15s. to £139 5s. per ton as to packing.

SODIUM PHOSPHATE. — B.P.C. powder is 2s. 3d. per lb.

SODIUM SALICYLATE.— Rates are now:— 1-ton lots in bulk, 3s. 7d. per lb.; 5-cwt. 3s. 8d.; 1-cwt. 3s. 10d.

SODIUM THIOSULPHATE. — Makers' price for 1-ton lots of photographic grade in paper-lined bags is £38 per ton.

SULPHUR.—(Per ton in 1-ton lots), B.P. PRECIPITATE, £112 10s.; SUBLIMED, B.P. £47 10s.; POWDER, 100 mesh, £25 10s.

ZINC OXIDE.—Dearer. B.P. quality is now: In 2-ton lots £116 per ton; 1 ton, £117 per ton.

Alcohol

BRITISH SPIRIT per proof gall.:—

Ethyl Alcohol: (95 per cent. Gay Lussac, 66 *o.p.*); where the number of proof gall. taken over any one year ended March 31 is 300,000 or over 4s. 0¼d; 200,000 and less than 300,000, 4s. 0½d.; 100,000 and less than 200,000, 4s. 1¼d.; 50,000 and less than 100,000, 4s. 1½d; 10,000 and less than 50,000, 4s. 2¼d.; 2,500 and less than 10,000, 4s. 2¾d. Prices are exclusive of duty and are for tank wagon lots. In 40-gall. drums there is a surcharge of 1d. per proof gall. The following grades are subject to a premium on the above prices as set out in the next paragraph:—

Absolute Alcohol, 95·5 per cent., 74·5 *o.p.,* 3d. more per proof gall., the special high strength (99·9 per cent., 75·2 *o.p.*), 5d. more. *Doubly Rectified Alcohol (S.V.R.)* 95·8 per cent., 68 *o.p.*, is 3d. more and *P.I. Rectified Alcohol,* 96·1 per cent., 68·5 *o.p.,* 8d. more. *R. R. Absolute Alcohol* (re-rectified, 99·7 per cent., 75 *o.p.*), 14s. 10d. per bulk gall. net.

Methylated Spirit

METHYLATORS' rates per bulk gall. in Great Britain are as follows:—

Industrial Methylated spirit: Strength 61 *o.p.*, 500 gall. and over, 5s. 11d.; 100 gall. and under 500 gall., 6s. 2d.; 40 gall. and under 100 gall., 6s. 5d.; 10 gall. and under 40 gall., 6s. 10d.; 5 gall. and under 10 gall., 7s. 3d. Strength 64 *o.p.*, ½d. per gall.; 66 *o.p.* (B.P.), 1d.; 68 *o.p.*, 3½d. more than the above rates with 74 *o.p.* at 6s. 8½d., 6s. 11½d., 7s. 2½d., 7s. 7½d. and 8s. 0½d. per gall. for similar quantities. Tank wagon delivery is 1½d. per gall. off list price—minimum, 500 gall. For industrial methylated spirit of standard toilet quality prices are from 7s. 2½d. (tank wagon) for 500 gall. to 8s. 8d. for 5–10 gall. (in drums) for 61 *o.p.*

Pyridinised industrial methylated spirit: Strength 66 *o.p.*, 500 gall. and over, tank wagon delivery, 6s. 2d.; 100 gall. and under 500 gall. (in drums), 6s. 6½d.; 40 gall. and under 100 gall., 6s. 9½d.; 10 gall. and under 40 gall., 7s. 2½d.; 5 gall. and under 10 gall., 7s. 7½d.

Mineralised methylated spirit: Strength 64 *o.p.* in one delivery, 100 gall. and under 500 gall., 6s. 6½d.; 40 gall. and under 100 gall., 6s. 9½d.; 10 gall. and under 40 gall., 7s. 2½d.; 5 gall. and under 10 gall., 7s. 7½d.

Methylated resin finish is 3d. per gall. over and *methylated shellac finish* is 1s. per gall. over the prices of pyridinised methylated spirit.

Terms:—Deliveries free and carriage paid on returned empties; net cash.

Crude Drugs

ACONITE. — Spot supplies of Spanish *napellus* are 2s. 6d. per lb.

AGAR.—Kobe No. 1 is 11s. 6d. per lb., in bond; new-crop for shipment, 10s. 10d., c.i.f.

ALOES.—Cape price on the spot is 175s. per cwt. and for shipment, 160s., c.i.f.

ARECA.—Selected round nuts, 125s. per cwt., spot.

BALSAMS. — Quotations per lb. are:— CANADA: Spot, 23s. COPAIBA: Para from 7s. 6d. duty paid. PERU: Spot, 10s. in bond. TOLU (genuine as imported): 17s., spot and 15s., c.i.f.; B.P., 14s. 6d. spot.

BELLADONNA.—Herb is 8s. 3d. per lb. on the spot. Root is 1s. 6d. spot; shipment, 1s. 3d., c.i.f.

BENZOIN.—Sumatra block on the spot is £22 to £28 as to quality.

BUCHU.—Spot rounds are 4s. 3d. per lb. and new-crop for shipment, 4s., c.i.f.

CALABAR BEANS.—Spot offering at 1s. 7½d. per lb.

CALAMUS.—Root is quoted at 1s. 4d. per lb., c.i.f.

CAPSICUMS. — East African are from 140s. to 175s. per cwt. on the spot.

CARDAMOMS. — Aleppy greens, spot, 14s. 6d. per lb.; forward shipment, 13s. 9d., c.i.f. Seeds, shipment, 20s., c.i.f.

CASCARA.—Business done for shipment at 275s., per cwt., c.i.f.

CHERRY BARK.—Thin natural is 1s. 5d. per lb., and rossed is 1s. 11d.

CHILLIES. — Spot Mombasa, 230s. per cwt., shipment, 185s., c.i.f.

CINNAMON.—Ceylon for August–September (c.i.f.) per lb.; OOOO, 6s. 0¼d.; OOO, 5s. 9d.; OO, 5s. 7¼d.; seconds, 4s. 5¼d.; featherings, 2s. 2¼d.; quillings, 3s. 5½d.; chips, 1s. 3½d.

CLOVES. — Zanzibar on the spot are 2s. 11d. per lb.; shipment, 2s. 7½d., c.i.f.

ERGOT.—Portuguese, 5s. 6d. per lb.

GINGER.—African, 110s. per cwt. spot and 100s., c.i.f. Jamaican No. 3, spot, 200s. and shipment, 197s. 6d., c.i.f. Cochin spot quoted 120s.; shipment 137s. 6d., c.i.f.

GUM ACACIA.—Kordofan cleaned sorts are 192s. 6d. per cwt. on the spot; August–September shipment, 180s., c.i.f.

HENNA.—Indian on the spot is now 95s. per cwt., ex wharf.

HYDRASTIS.—Spot, 23s. per lb.

IPECACUANHA. — Shipment (c.i.f.) Matto Grosso, 52s. nominal per lb.; Colombian, 54s.; Nicaraguan, 67s.; Costa Rican, 70s. Spot Matto Grosso, 54s.

KARAYA. — No. 1 gum on the spot is quoted at 260s. per cwt. nominal, No. 2 at 230s., nominal

KOLA NUTS. — Jamaican spot market cleared, shipment, 7d. per lb., c.i.f. African, 5d. to 5¼d. spot and 4d., c.i.f.

LIQUORICE.—Natural root: Persian on the spot is 50s.; Anatolian, 60s. and Russian, 66s. per cwt. Block juice: Anatolian and Chinese, 190s. per cwt.; Italian stick from 310s. to 476s. per cwt.

LOBELIA HERB.—Spot offers of American are 3s. 9d. per lb. and for shipment 3s. 6d., c.i.f. Dutch 3s. 1d., c.i.f. for shipment; spot 3s. 5d.

MACE.—Whole pale blade 23s. 6d. per lb. on the spot.

MENTHOL.—Chinese spot cleared; September–October shipment, 51s. 6d. per lb., c.i.f. Brazilian, 40s. in bond.

NUTMEGS.—West Indian 80's 17s. per lb., spot; sound unassorted, 10s. 6d.; defectives, 8s. 6d.

NUX VOMICA. — Scarce. Shipment, not offering; spot, 120s. per cwt., nominal.

PEPPER.—Continues firm. White Sarawak on spot has been sold up to 3s. 2d. per lb., with sellers now at 3s. 1½d. July–August shipment has been of interest to shippers who are reported to have paid up to 3s. 1½d., c.i.f., for this position. September–October shipment is 3s. 0½d., c.i.f. Black Sarawak on spot is 2s. per lb. with second-hand sellers of July–August shipment at 1s. 11½d., c.i.f. Black Malabar is still 240s. per cwt. nominal, spot and 235s., c.i.f., quoted for August–September shipment.

QUASSIA.—Spot offers are 55s. per cwt., ex wharf.

SEEDS.—(Per cwt.). ANISE.—Spanish, 167s. 6d.; Turkish, 145s., both duty paid. CARAWAY. — Dutch offering at 117s. 6d., duty paid. CELERY.—Indian on spot quoted at 150s. The shipment price is 118s., c.i.f., with business reported to London and Continent. CORIANDER.—Are quiet; Moroccan on spot are 47s. 6d., duty paid and 42s. 6d. in bond, for shipment 35s., c.i.f., now quoted. CUMIN.—Continues firm. Iranian, 270s., duty paid and 250s. in bond. The shipment price is 220s., c.i.f., sellers refusing any near bids. DILL.—Indian is unchanged at 80s., spot, for shipment, 70s., c.i.f., quoted. FENNEL. — Chinese, 130s., duty paid. FENUGREEK.—Moroccan is offered down to 44s., duty paid, the shipment price is 33s., c.i.f. MUSTARD.—English, 75s. to 120s., according to quality.

SENEGA.—Spot is nominally 20s. per lb.; shipment, not offering.

TONQUIN BEANS.—Para on the spot are offered at 8s. 6d. per lb. Angostura, 11s.

TRAGACANTH. — No. 1 ribbon is £115 to £120 per cwt. No. 2, £105 to £110.

TURMERIC. — Madras finger on spot is 102s. 6d. per cwt. for old crop; current crop is 110s. per cwt. and for August–September shipment 88s., c.i.f., quoted.

VALERIAN ROOT. — Spot : Indian (with rootlets) is 130s. and Belgian, 175s. to 195s. per cwt. Dutch (max. 2½ per cent. sand) for prompt shipment, 159s., c.i.f.

VANILLIN. — Rates (per lb.) are now:— 5-cwt. lots, 23s. 3d.; 1 cwt. 23s. 6d.; 56-lb., 23s. 9d.; smaller quantities, 24s.

WAXES. — (Per cwt.). BEES'.—Dar-es-Salaam, spot, 475s.; shipment, 465s., c.i.f. Abyssinian, spot 410s. in bond; shipment, 405s. c.i.f. Benguela, shipment, 405s., c.i.f. CANDELILLA.—Spot 450s. CARNAUBA. —Fatty grey spot, 580s.; for shipment, 555s., c.i.f. Prime yellow, spot, 900s.; shipment, 860s., c.i.f.

Essential and Expressed Oils

ALMOND. — Moroccan, 6s. 6d. per lb., duty paid.

AMBER.—Rectified on the spot is 1s. 6d. per lb.

ANISE.—Chinese, 8s. 1½d. per lb., spot; shipment, 8s., c.i.f.

BAY.—West Indian is 12s. 6d. per lb. on the spot.

BERGAMOT.—Spot supplies are from 85s. per lb.

BOIS DE ROSE.—Brazilian is 14s. 6d. per lb. on the spot and 14s. 6d., c.i.f.

CADE. — Spanish is 3s. 6d. per lb. for drum lots.

CAJUPUT. — Spot supplies are from 11s. 6d. per lb.

CALAMUS.—Spot quotations are 62s. 6d. per lb.

CAMPHOR, WHITE. — Chinese is 1s. 9d. per lb. in bond.

CANANGA. — Spot is from 42s. 6d. to 45s. per lb.

CARAWAY.—Imperial oil is 27s. 6d. per lb.

CARDAMOM.—Price per lb. is from 330s. for English-distilled and 260s. for imported.

CASSIA.—Spot is 13s. 3d. per lb.; shipment, 13s. 3d., c.i.f.

CASTOR.—Home-produced B.P. oil on the spot—June, is £135 per ton naked ex mill (2-ton lots).

CEDARWOOD. — American rectified, 5s. per lb. spot.

CELERY SEED.—Dutch oil is 90s. per lb. and Chinese, 65s.

CHENOPODIUM.—Spot value is 38s. per lb. for original containers.

CINNAMON. — From quillings, best English-distilled is 50s. per oz.; other B.P. oils from 165s. per lb. Ceylon leaf, spot, 9s. 6d. per lb.; rectified, 15s. per lb.; Seychelles, 8s. 6d., spot.

CITRONELLA. — Ceylon, spot is cleared: shipment, nominally 5s. per lb., c.i.f. Formosan, spot 5s. 6d. in bond, shipment, 5s. 4½d., c.i.f.

CLOVE.—Madagascar leaf, spot, 8s. 6d. per lb., nominal; shipment, 7s. 2d., c.i.f. Rectified 87–88 per cent., 8s. 6d. Distilled bud oil, English, B.P., 30s. to 31s.

COD-LIVER. — B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CORIANDER.—B.P. oil is quoted from 62s. 6d. per lb.

CUBEB.—Small spot supplies of imported are 65s. per lb.; English, 90s.

CUMIN.—Imported oil is now about 90s. per lb.

EUCALYPTUS. — Australian 70 to 75 per cent. eucalyptol on the spot is 4s. 9d. per lb. 80–85 per cent., 5s. 6d. Spanish (70–75), 4s. spot. Chinese 3s. 6d. to 3s. 9d.

FENNEL.—Spanish sweet on the spot is quoted at 12s. 6d. per lb.

GERANIUM.—Bourbon is 185s. per lb. nominal on the spot.

GINGER.—English-distilled oil is 160s. per lb. Imported: Jamaican, 130s.; Chinese, 72s. 6d., duty paid.

GRAPEFRUIT. — Jamaican, 15s. per lb. spot. Florida, 14s. 6d. spot.

JUNIPER. — B.P.C. 1949 oil is from 12s. 6d. per lb. on the spot. English-distilled, 180s. JUNIPER WOOD, from 5s.

LAVANDIN.—Spot is from 10s. to 12s. 6d. per lb. for original drums.

LAVENDER.—French oil, 40–42 per cent. is 50s. per lb.

LAVENDER SPIKE.—Spanish is at 15s. to 17s. per lb. for original drums.

LEMON.—B.P. grades from 16s. to 26s. per lb. on the spot. Californian for shipment, 25s. to 28s. 6d., c.i.f. Terpeneless, 500s. per lb.

LEMONGRASS.—Spot 8s. per lb., and shipment, 8s., c.i.f.

LIME.—West Indian distilled is in the region of 50s. per lb. on the spot.

NUTMEG. — Imported B.P. oil is from 70s. to 92s. 6d. per lb. English-distilled 100s.

PENNYROYAL.—Spot is quoted from 17s. per lb., duty paid.

PETITGRAIN.—Paraguay 18s. 6d. per lb., spot; shipment, 17s. 9d., c.i.f., nominal.

PINE.—*Pumilionis* on the spot is 16s. per lb.; *sylvestris*, 25s.; Siberian (*abietis*), 12s. 6d.

ROSEMARY.—Spanish is 8s. 3d. per lb. on the spot for best quality.

RUE. — Spanish is 25s. per lb. on the spot.

TANGERINE.—Hand-pressed is 55s. per lb. and machine-pressed, 42s. 6d.; others 26s. to 28s. on the spot.

VETIVERT.—Spot is currently at about 82s. 6d. per lb.

YLANG YLANG.—Spot is from 32s. 6d. to 46s. per lb. as to grade.

UNITED STATES REPORT

NEW YORK, AUGUST 25: STRYCHNINE was scarce and higher at $1·49 an ounce for the alkaloid, up 23 cents. Hungarian type CHAMOMILE FLOWERS dropped another 10 cents to $1·40 per lb. SENEGA ROOT advanced 15 cents to $3 per lb. VANILLA BEANS firmed up, making the bourbons and Mexicans each $15 per lb., up 25 cents, and the Mexican cuts $14·75, up 50 cents. CASCARA BARK gained two cents to 34 cents per lb. EUCALYPTOL was 10 cents lower at 90 cents per lb. Higher per lb. among ESSENTIAL OILS were LEMONGRASS OIL at $1·10, up five cents, and CLOVE LEAF OIL at $1·55, up 15 cents.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the " Trade Marks Journal," August 12

For chemical products for use in industry, science and photography; chemical products included in Class I *for use in agriculture and horticulture, etc., and preparations for removing or inhibiting the formation of electrostatic charges; but not including fire-extinguishing mixtures or any goods of the same description* (1)

HERO, 784,471, by Proprietary Pressure Packages, Ltd., Birmingham.

For talcum powder, preparations for the hair in cream form and non-medicated toilet lotions, all for men (3)

VINTAGE, 783,004, by Vintage Cosmetics, Malvern, Worcs.

For non-medicated toilet preparations for rinsing the hair (3)

DANDRICIDE, 787,684, by King Research, Inc., Brooklyn, New York, U.S.A.

For antiperspirants, deodorants and pharmaceutical preparations for hygienic purposes (5)

CONFIDENTIAL, B777,326, by Imperial Chemical Industries, Ltd., London, S.W.I.

For antispasmodics and vasodilators, all being pharmaceutical preparations for use in the treatment of coronary insufficiency, angina pectoris and essential hypertension (5)

HANDASED, 777,538, by Handag, Zurich, Switzerland.

For pharmaceutical and veterinary preparations for external use (5)

BANOLINE, 780,477, by D.D.D. Co. Ltd., Watford, Herts.

For antibiotics and antibiotic preparations (5)

TELOTREX, 780,600, by Bristol Laboratories, Inc., Syracuse, New York, U.S.A.

For pharmaceutical preparations (5)

TIGUVON, 780,647, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For pharmaceutical preparations and substances (5)

BESONITRON, 783,768, by C. H. Boehringer Sohn, Ingelheim-on-Rhine, Germany. TRUXAL, 786,648, by H. Lundbeck & Co., A/S, Copenhagen, Denmark.

For all goods (5)

SAFFEDYS, 785,009, SAFFENT, 786,290, SAFFEBRAX, SAFFEHEP, SAFFEP, 787,423-25, by Glaxo Laboratories, Ltd., Greenford, Middlesex. Device, 786,I09, by F. A. Welti & Son, London, E.C.3. PAMERGAN, 788,I45, by May & Baker, Ltd., Dagenham, Essex.

For pharmaceutical preparations for the treatment of the feet (5)

BENEFOOT, B785,050, by Organon Laboratories, Ltd., London, W.C.2.

For pharmaceutical preparations in tablet form for use in the treatment of indigestion (5)

BRAGGATABS, 786,930, by J. L. Bragg, Ltd., London, N.11.

For herbicides (5)

GARLON, 787,195, by Dow Chemical Co., Midland, Michigan, U.S.A.

For pharmaceutical, veterinary and sanitary substances (5)

PERNOMOLEX, 787,510, by Laboratories for Applied Chemistry, Ltd., London, N.I6.

For pharmaceutical preparations and substances for human and veterinary use (5)

LISIDONIL, 787,919, by CIBA, Ltd., Basle, Switzerland.

For razors, electric dry-shaving implements, and hair clippers for personal use (8)

PRESIDENT, 786,334, by Allgemeine Elektricitäts-Gesellschaft, Berlin-Grunewald, Western Germany.

For cameras and flashguns, all for photographic purposes (9)

TRIUMPH, 775,410, by Coronet, Ltd., Birmingham.

For gloves for domestic use (other than bottling gloves) (21)

MAXYMIT, 787,593, by Maxwell Plastics, Ltd., London, E.I7.

WILLS

MR. W. G. BROSNAHAN, M.P.S., 165 Sumatra Road, Hampstead, left £3,919 (£3,789 net).

MR. L. CHAMBERS, M.P.S., 48 Warley Road, Halifax, left £15,287 (£15,205 net).

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Wednesday, September 2

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, York. Annual meeting (until September 9).

MANCHESTER GOLFING SOCIETY, Worsley golf club.

Thursday, September 3

POLAROGRAPHIC SOCIETY, " Duke of York," 8 Dering Street, London, W.1, at 7 p.m. Discussion.

SCOTTISH INDUSTRIES EXHIBITION, Glasgow. September 3–19.

Saturday, September 5

LONDON SALON OF PHOTOGRAPHY, 27 Conduit Street, London, W.1. Golden jubilee international exhibition (until October 3).

PRINT AND PUBLICITY

PUBLICATIONS

Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

BRITISH SCHERING, LTD., Macclesfield Road, Hazel Grove, Stockport, Ches: " Neo-Mercazole " (abstracts from recent Australian papers), " Oblivon," " Oblivon C " (cards).

CAMDEN CHEMICAL CO., LTD., 61 Gray's Inn Road, London, W.C.I: " Alcos-Anal," " Pruvagol " (information cards).

GLAXO LABORATORIES, LTD., Greenford, Middlesex: " Crystapen V tablets and suspensions," " Intrathecal Efcortelan soluble," " Predsol suppositories " (information cards), " Corticoid preparations " (folder).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: " Anthisan," " Protamyl " (folders), " Brevidil " (blotter), " Otamidyl " (information card).

PHARMETHICALS (LONDON), LTD., 20 Gerrard Street, London, W.1: " Praenitrona " (blotter).

PRESS ADVERTISING

J. ALLEN RUBBER CO., LTD., Whitecroft, nr. Lydney, Glos: Marigold two-tone rubber gloves. In *Homes & Gardens, Woman's Journal, Good Housekeeping, Ideal Home, The Lady, The Queen, Housewife, Home, Everywoman, Woman & Beauty* and the *Sunday Express* and *Sunday Graphic*. During autumn.

COMMERCIAL TELEVISION

Programme details are given to enable chemists to put in linking-up displays if they wish. Figures in the columns represent number of appearances of the product during the week.

September 6—12	London	Midland	North	Scotland	Wales	South	N.E.
Alka Seltzer	3	3	2	—	1	1	1
Amami wave set	—	—	3	—	—	—	—
Anadin	3	4	3	3	3	3	3
Aspro	5	4	4	5	5	5	5
Astral soap	—	—	—	—	3	—	3
Ayrton's antiseptic cream	—	—	—	2	—	—	—
Binki pants	1	2	—	2	—	—	—
Bisodol	—	—	1	—	—	—	—
Camay	9	3	4	2	3	3	2
Cephos	—	—	3	—	—	—	—
Cooper's aerosols	2	2	2	2	2	2	2
Cuticura	3	—	—	—	—	—	—
Damaskin	1	1	—	—	—	—	—
Euthymol tooth-paste	2	1	1	—	—	1	1
Germolene	3	3	—	3	4	2	3
Gibbs' S.R. tooth-paste	3	3	3	2	6	2	3
Ibcol	—	—	—	3	—	—	—
Immac	1	—	1	—	—	—	—
Kolynos	1	—	1	1	—	—	1
Lucozade	3	2	3	—	4	4	—
Marigold baby pants	—	2	—	—	—	—	—
Max Factor preparations	3	3	3	3	3	3	3
Milk of Magnesia	—	—	—	—	1	—	—
Milk of Magnesia tablets	—	5	4	—	1	—	—
Phosferine	1	1	1	1	1	1	1
Phyllosan	—	1	1	—	—	—	1
Polly Roll	—	1	—	—	—	—	—
Remington shavers	2	2	2	2	3	3	2
Rinstead pastilles	1	1	—	—	1	2	—
Rivella	2	—	—	—	—	—	—
Setlers	3	3	3	—	3	3	3
Silvikrin hair cream	4	9	8	10	3	3	1
Sun Orange Quosh	2	2	2	2	4	2	2
Valderma soap	—	—	1	—	—	—	—
Vosene	4	4	4	5	7	3	9
Water Lilies shampoo	1	2	—	—	—	3	—
Yeast-Vite	1	1	1	1	1	2	1
Zal	5	5	5	—	5	—	—
Zobora	—	2	—	—	—	—	—

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 25 per cent.; ‡ = Tax 50 per cent.

COLEMAN & CO., LTD. (to trade from July 1, to public from September 1)

	Doz.	I.R.P.
Wincarnis red label ½ bott.	48 9	5 6 *R*
bott.	87 9	9 9 *R*

P.A.T.A. LIST

(Alterations notified this week by the Proprietary Articles Trade Association.)

DELETIONS FROM THE LIST

EVAN WILLIAMS CO., LTD. All products.

NEW PRODUCTS AND PACKS

BEECHAM PHARMACEUTICALS, LTD.

New Phyllosan tablets*	3 7
	5 10
	12 2

CALMIC, LTD.

	Each	
Laevotonine* 4 fl. oz.	4 4	
dispensing pack 40 fl. oz.	32 6	

CAVALCADE BEAUTY PREPARATIONS, LTD.

	Doz.	
" Stop " dandruff shampoo*	6 10	1 0

CIBA LABORATORIES, LTD.

	Each	
Vioform scour paste	6 0	9 0
tablets 0·25 gm. 30	3 4	5 0
200	18 8	28 0
Vioform-Hydrocortisone salve 5 gm.	3 3	4 10½
Ultracortenol suspension 50 mgm./c.c. ampoules 6	64 0	96 0

WILLIAM FREEMAN & CO., LTD.

Suba-Seal polythene boilable feeding bottle 4 oz.	1 8
8 oz.	1 11

GLAXO LABORATORIES, LTD.

	Doz.	
Naclex (half-strength) tablets 25	45 0	5 0
100	174 0	19 4
	Each	
500	65 0	86 8

GOYA, LTD.

" Kiss White " cosmetic stick‡	4 0

C. J. HEWLETT & SON, LTD.

Alboven vial	10 mils	15 6

M. & R. NORTON, LTD.

	Doz.	
Gahns Swedish pine needle soap*	31 0	4 6
foam bath* sachet	10 3	1 6
Martha Lorraine lip brush*	53 0	7 11

REVLON INTERNATIONAL CORPORATION

" Frosted " mascara‡	15 6
refill‡	10 9
lipstick‡	14 6
refill‡	9 6

JANE SEYMOUR, LTD.

" Embrace " skin perfume‡	2 9
" Blue Gardenia " skin perfume‡	2 9

GEORGE SPENCER & SON, LTD.

Misslyn cream‡	30 0	5 0
pearl‡	45 0	7 6
lipstick‡	69 0	11 6
refill‡	39 0	6 6

WILLIAM R. WARNER, LTD.

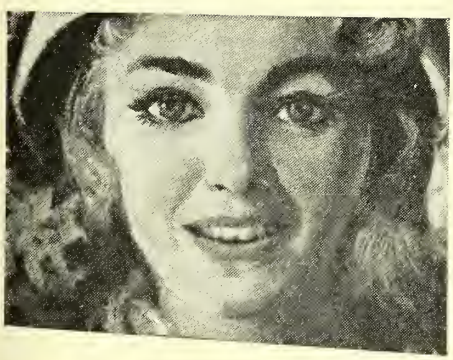
Anusol-HC suppositories	12	100 0



what every

woman





knows...

Mene
REGD.

Generations of women have known the super-soft comfort, the complete security, the practical economy of Mene. And because this knowledge is being continually passed on, Mene sales grow steadily year after year. Whatever other sanitary protection lines you carry, Mene is a "must".

ROBINSON & SONS LTD. Chesterfield & London

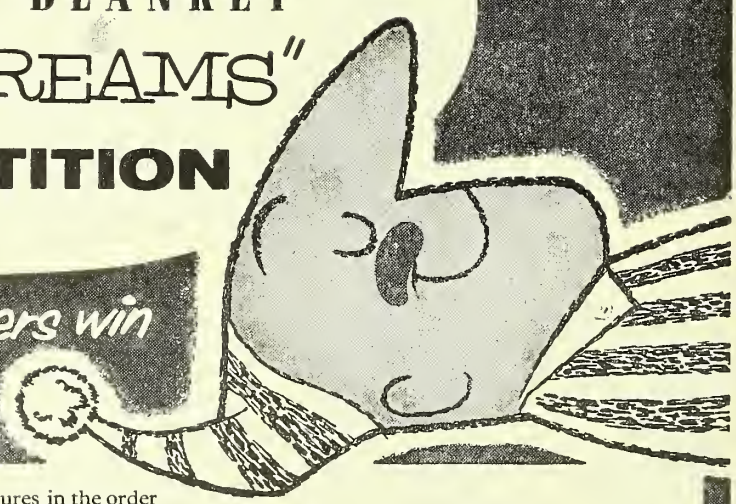
THERE'S OVER **£5000** WORTH OF

FREE ELECTRIC BLANKETS TO BE WON IN THE

Dreamland

ELECTRIC BLANKET "SWEET DREAMS" COMPETITION

—and your customers win your share for you



All they do is put Dreamland's special features in the order they think best — there's an entry form packed with every Dreamland Blanket you sell!

Every week for 22 weeks 100's of £££'s worth of standard single size Dreamland blankets will be given as prizes — from September 28th on!

Every pair of Dreamland blankets one of your customers wins will bring you a pair of blankets — that's over £2,500 worth of *free* stock for retailers!

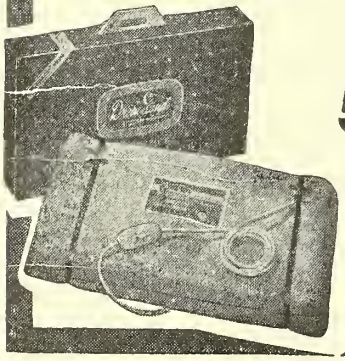
Yes, 22 whole weeks of Big Prizes — for you and your customers — in the Dreamland "Sweet Dreams" Competition — all backed up by Deamland's biggest-ever National Advertising Campaign.

TV ADVERTISING on all networks

– 60-second participations in the popular Advertising Magazines, reaching over *7,500,000 homes*

PRESS ADVERTISING

– big spaces in the magazines that command the women's market, reaching almost *5,000,000 women*



— AND HERE'S STILL MORE GOOD NEWS!

5% EXTRA DISCOUNT

ON ALL DREAMLAND ORDERS. Yes on *all* orders: so send yours to your usual Wholesaler as early as possible. And with your first stock of Dreamland — the super-size blankets that warm the whole bed — will come a special Showcard to link *your* shop with the easy-to-enter "Sweet Dreams" Competition.

EASIPOWER APPLIANCES LIMITED · 30 HIGH STREET · SOUTHAMPTON · HANTS · TEL: 27947/8

Two outstanding SKF *skin preparations*

showing a big margin of profit

PRAGMATAR

for dandruff

'Pragmatar' is highly effective in the treatment of dandruff. Fresh, pleasant-smelling, 'Pragmatar' has these advantages:

- Oil-in-water base, free from grease or wax.
- Cetyl-alcohol coal-tar distillate: all the advantages of crude coal-tar but does not irritate.
- Safe for children.

PRAGMATAR for dandruff

safe • effective

in 1 oz. tubes at a retail price of 4/4½d.

ESKAMEL

for acne

Acne sufferers like using 'Eskamel'. Here are three reasons why:

- 'Eskamel' often brings improvement not in weeks or months—but in days.
- The flesh-tinted base conceals the lesions while the active ingredients are at work.
- 'Eskamel' is pleasant to use: virtually invisible when applied, easy to put on, easy to remove.

ESKAMEL for acne

immediate concealment • rapid control

in 1 oz. tubes at a retail price of 5/1d.

Smith Kline & French Laboratories Ltd, Welwyn Garden City, Herts. Tel: Welwyn Garden 5111

PREMTA39(col)

'Pragmatar' & 'Eskamel' are trade marks.



Spur-of-the-moment

* sales go up

* with these

* free

* counter service

* units from

HALEX

* – *the name for better*

COMBS

C670 Nylon comb unit:—
2 dozen pocket combs C101 1/6d. each retail.
1 dozen bag combs C202 1/9d. each retail.
1 dozen tail combs C303 1/9d. each retail.
1 dozen gents' dressing combs C405 2/-d. each retail.
1 dozen ladies' dressing combs C404 2/6d. each retail.
Similar units available for 6 dozen Halex Acetate or Imprene combs.

Refill packs available
of 1 dozen combs
Every comb bubble-packed
Every comb individually priced
Wonderful assortment of colours

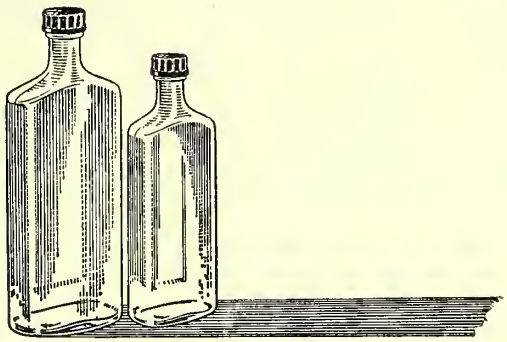
See your usual wholesaler soon—and step up your spur-of-the-moment sales.

HALEX
(a Division of British Xylonite Company Limited)
HIGHAMS PARK, LONDON E.4

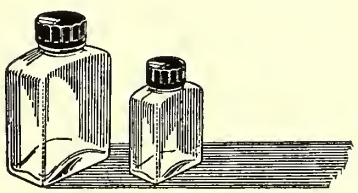


For more spur-of-the-moment sales ask your wholesaler to deliver one of these 4-dozen wire dispensers for nylon, acetate or Imprene combs —specially designed to hang or stand.

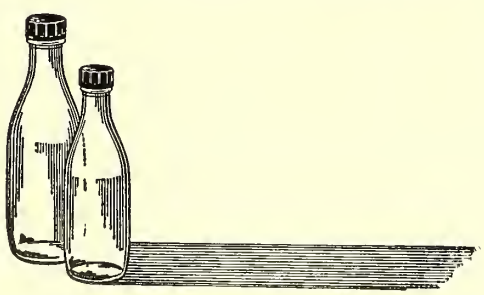
Pack to Attract

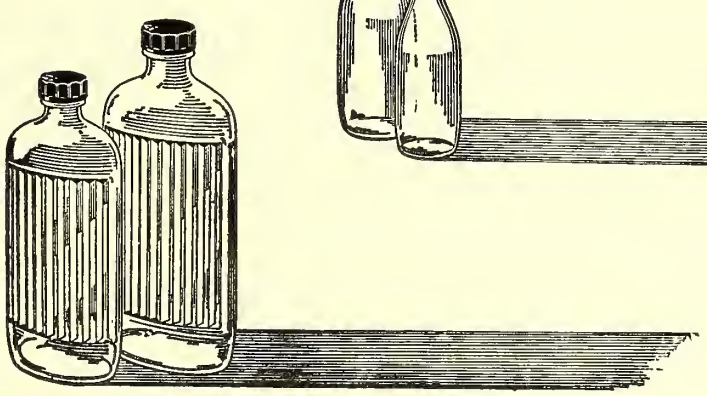


The discerning Pharmacist demands a container which combines attractive appearance with sound functional design. Beatson Bottles are produced especially to satisfy both these requirements—they look well, store well, handle well, pour well—Beatson Medicals, Panels, Ribbed Ovals, Emulsions, Tablets, Olive Oils, Poisons, Winchesters and, in fact, every bottle used in Pharmacy is the better for being "BEATSON"



...in Beatson bottles





BEATSON, CLARK & CO., LTD.

GLASS BOTTLE MANUFACTURERS

ROTHERHAM *Established 1751* **YORKSHIRE**

"The Sign of a TRADE MARK ↑ REGISTERED *Good Bottle"*

"Eesimesh" SEAMLESS Nylon net Surgical Stockings

FOR SUPPORT AND GLAMOUR

A new "Eesiness" product

- Light and Airy texture of fish-net design
- Completely free from unsightly irritating seams
- A most attractive appearance on the leg, making overstockings entirely unnecessary.

Available in Above Knee length only, with closed toes in foot sizes:-
$8\frac{1}{2}$", 9", $9\frac{1}{2}$", 10", $10\frac{1}{2}$" and 11".

TRADE PRICE 35/6 per pair.

Special terms to wholesalers.

E. SALLIS LTD.

VERNON WORKS · BASFORD · NOTTINGHAM
Phone: NOTTM. 77981/2 Grams: "EESINESS"

THOVALINE

the answer to :-

★ **bedsores**
★ **burns**
★ **urine dermatitis**

BEDSORES can be prevented by applying THOVALINE before the trouble starts but if already in existence will help greatly in healing.

URINE DERMATITIS Excellent healing properties where rash exists and will prevent such trouble occurring if applied beforehand. Offensive odour is eliminated.

BURNS Unique action. THOVALINE is self sterile it eliminates pain and is a rapid healer.

Particulars from your usual wholesale house:

ILON LABORATORIES
LORNE STREET · HAMILTON · LANARKSHIRE
Tel: HAMILTON 410

ANALGESICS

For many years we have been engaged in this field of manufacture with the result that we now offer the following, all of which, in their separate ways play an increasing and important part in the alleviation of suffering.

ASPIRIN B.P.
PARACETAMOL PURE
SALICYLAMIDE PURE

The Symbol of GRAESSER GS SALICYLATES *Quality and Service*

We would welcome the opportunity of quoting our keenest prices and submitting samples.

GRAESSER SALICYLATES LIMITED
SANDYCROFT, NR. CHESTER
Telephone: HAWARDEN 2125 Telegrams: "QUALITY" CHESTER

The Best costs no more!

when ordering ZINC OXIDE insist on—

FELLING ZINC OXIDE B.P.

AND GET THE

Highest Standard of Purity

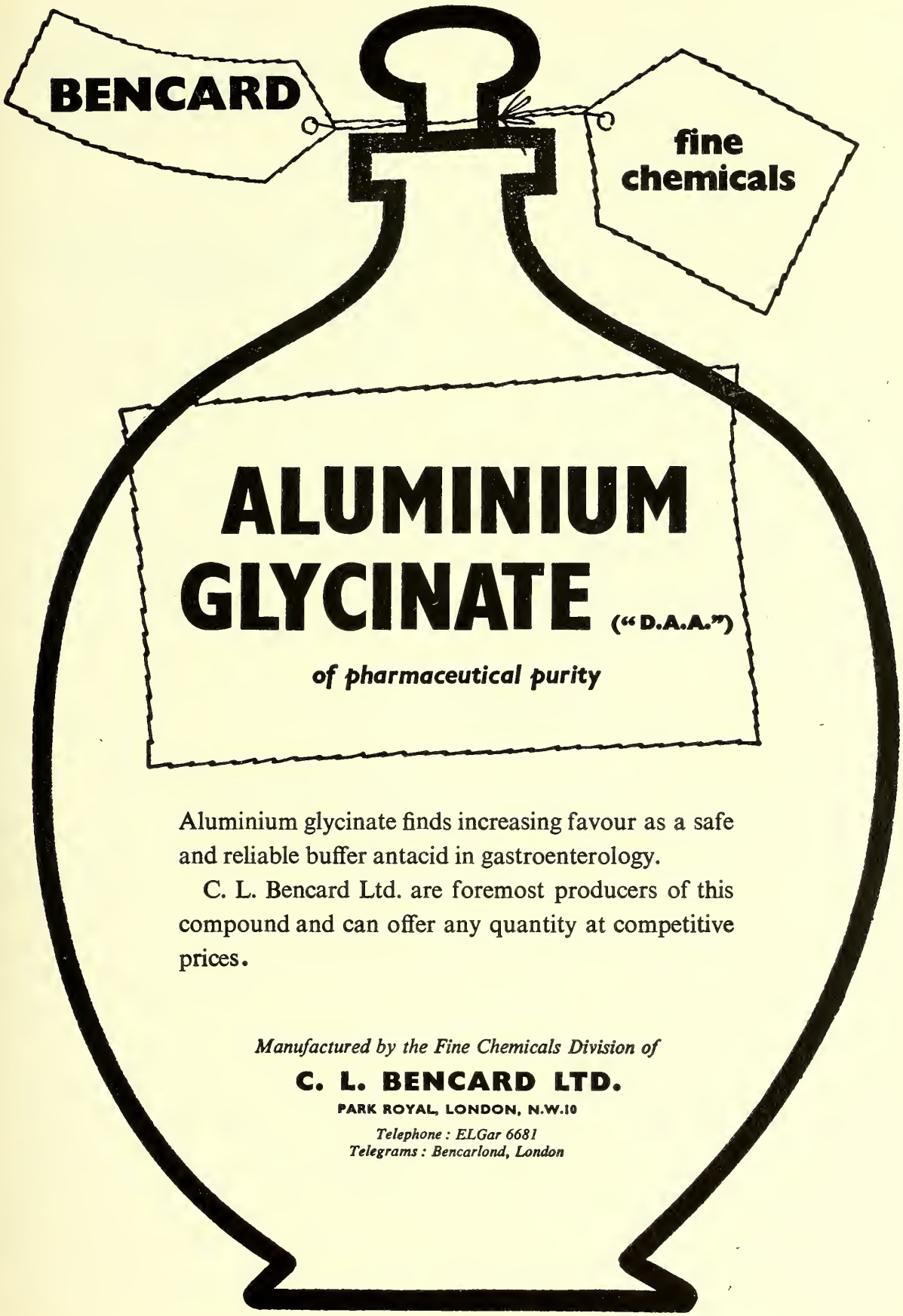
WHOLESALERS ONLY SUPPLIED
ENGLISH MANUFACTURE
USED THROUGHOUT THE WORLD

Guaranteed free from lead and arsenic. Its manufacture is supervised throughout by qualified chemists. Each particle size will pass 240 mesh with less than 0.1% residue

We supply most Wholesalers, but should you have difficulty please contact

H. LATTIMER 22 UPPER GROUND. BLACKFRIARS. LONDON S.E.1

Telephone: WATERLOO 5800
Manufactured by **FELLING ZINC OXIDE CO., LTD.**



ALUMINIUM GLYCINATE ("D.A.A.")

of pharmaceutical purity

Aluminium glycinate finds increasing favour as a safe and reliable buffer antacid in gastroenterology.

C. L. Bencard Ltd. are foremost producers of this compound and can offer any quantity at competitive prices.

Manufactured by the Fine Chemicals Division of

C. L. BENCARD LTD.

PARK ROYAL, LONDON, N.W.10

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OIL OF ULAY

(OLAY)

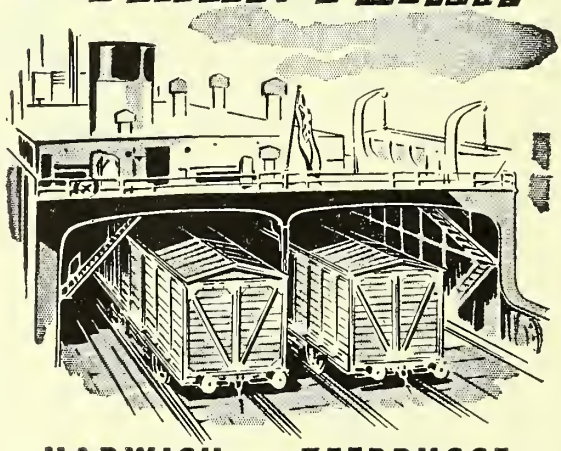
This is to advise that limited supplies of this tropical beauty oil are available and can be obtained by application through normal wholesale channels.

4 oz. bottles only, retail price 15/- per bottle.

(Normal trade discount applicable).

Goods to European Markets in through wagons every day

BY **TRAIN FERRY**



HARWICH - ZEEBRUGGE
DOVER - DUNKERQUE

Packing and handling absolute minimum

Full particulars from:—Continental Superintendent, Victoria Station, London, S.W.1 for Dover route and Continental Traffic & Shipping Manager, Harwich House, 129 Bishopsgate, London E.C.2 for Harwich route.

BRITISH RAILWAYS

Keep your

TABLET CARTONS

tidy

★

SIZES 2, 3, 4, 5 now supplied in RIGID BOXES containing 1000 cartons

by

SUTTLEY & SILVERLOCK

ANDOVER, HANTS

TEL. 2234

The

NEW

Super

PRIDE

Beer Shampoo



A brilliant innovation in shampoo marketing! Pride Beer shampoo in the Super Sachet! A sachet which can be hung wherever convenient and simply manipulated to give just the right amount of shampoo. Each sachet provides up to eighteen economical shampoos and is packed into a hermetically sealed show-case with a clear glass top which can easily be incorporated into point-of-sale or window displays. The retail price is only 3/3.

From your usual wholesalers or direct

B. N. FURMAN (PRODUCTIONS) LTD.

133, FONTHILL ROAD, LONDON, N. 4.

The Better Proposition

FOR * YOU
* YOUR CUSTOMER

Hair Magic "BROWNS"

Hair Magic semi-permanent Browns cover up to 50% of greying hair in one simple operation, with flattering Brown, Ashen Brown and Chestnut Brown

Hair Magic is best for you too, bringing in 80% profit on every bottle you sell.

and here's how

CHEMIST'S PRICE 1/8 PER BOTTLE PLUS 50% P.T.

RETAIL PRICE INC P.T. 3/10 PER BOTTLE

*

CHEMIST'S PROFIT 1/4 PER BOTTLE ... OR 80% PROFIT

and remember

all the other Hair Magic shades give you the same profit.

CFH/INS8/12

GLYCEROPHOSPHATES?



Morsons will know!

When you have specialised for over a century, you may fairly claim to know your subject. And that is precisely our position today. For more than a hundred years, Morsons have been making chemicals for industry and the pharmacist; and this long experience has resulted in the technical supremacy which is self-evident in every Morson product.

GLYCEROPHOSPHORIC ACID 20% B.P.C.

CALCIUM GLYCEROPHOSPHATE B.P.C.

MAGNESIUM GLYCEROPHOSPHATE B.P.C.

SODIUM GLYCEROPHOSPHATE 100% AND 50% B.P.C.

If you have a chemical problem, Morsons are at all times glad to place their knowledge and technical resources at your disposal.

THOMAS MORSON & SON LTD.
Ponders End, Middlesex

Monochloracetic Acid
Sodium Monochloracetate

FARBWERKE **HOECHST AG.**
vormals Meister Lucius & Brüning
FRANKFURT (M)-HOECHST

HOECHST

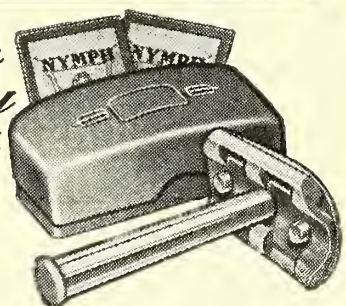
C 388 d - E/Ew 41

Distributors for chemicals in the U.K.:

HOECHST CHEMICALS LTD.
50, Jermyn Street, London, S.W.1 · Tel. Reg. 7534
75, Piccodilly, Manchester, 1 · Tel. Centrol 2234/5
115–117, Colmore Row, Birmingham · Tel. Centrol 6046/7

A Gift a Woman gives Herself...

Counter display ensures quick sales



Nymph *ladies' safety razor*

Backed by national advertising



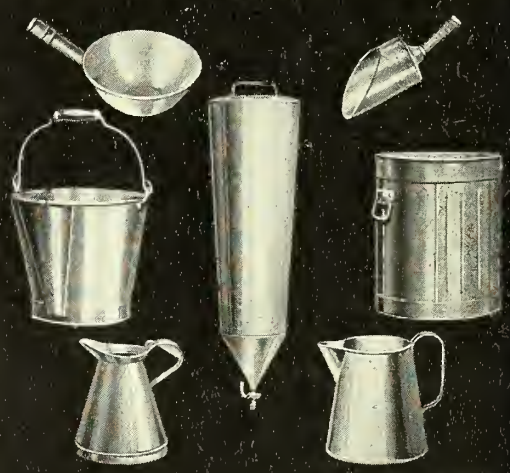
Every woman is a possible buyer of this dainty toilet accessory. Reasonably priced at 3/6d. to ensure spontaneous purchase! Complete in moulded case with 2 blades, in PINK, BLUE, GREEN. "Nymph" Blades in cartons of 6 blades, 1/5d.

Obtainable from your usual wholesaler.

▲ PRECISION-MADE SOUPLEX PRODUCT

SOUPLEX LTD., MORECAMBE, LANCS.

MODERN EQUIPMENT



"WEBSTER'S"
STAINLESS STEELWARE

ISAAC WEBSTER & SONS LTD.
ABBEY WORKS
KIRKSTALL
LEEDS. 5.

TELEPHONE 51580 LEEDS

TELEGRAMS "ISAAC WEBSTER KIRKSTALL"

The Anglican Bishops endorse Family Planning

"Family planning, in such ways as are mutually acceptable to husband and wife in Christian conscience . . . is a right and important factor in Christian family life."

REPORT OF THE NINTH LAMBETH CONFERENCE (1958)

Commenting on the report, the Archbishop of Canterbury said:

"*... there is clearly a divine obligation to plan your family and not have them by accident.*"

Asked if he personally advocated family planning, the Archbishop replied:

"*What the conference says is that it is a necessity, and I agree.*"

With these words, the 310 Anglican Bishops have given their blessing to the principles of family planning. In setting forth this enlightened point of view, they have removed the confusion and controversy which have surrounded the subject for years. Their wise and human approach will be endorsed by thoughtful people everywhere.



The wording on this strip conforms with the code of ethics of the Pharmaceutical Society.
(Size of strip: 7" x 2")

The part you play...

Millions of new users are being converted to modern DUREX methods of family planning by our "Planned Families" booklet, extensively advertised in newspapers and magazines.
Write for the discreet "Family Planning Requisites" shelf strip (No. 30), which shows that you are a DUREX stockist. It will bring you extra business—so put it on display.

LONDON RUBBER CO. LTD., HALL LANE, LONDON, E.4

for ASTHMA and Allied Chest Complaints, you can safely recommend—

RIDDOVYDRIN ASTHMA INHALANT

—A BIOLOGICAL PREPARATION CONTAINING VITAMIN C

RIDDOVYDRIN gives Rapid and Prolonged Relief to the most Chronic Cases.

SAMPLES AND LITERATURE FREE ON REQUEST



TOGETHER WITH

RIDDOPAG PLASTIC INHALER

WITH OR WITHOUT MASK

— UNBREAKABLE —

Gives a Fine Dry Vapour Free of Drops

MAY BE SUPPLIED ON E.C.10 FORMS

40% DISCOUNT ALLOWED ON ALL INHALERS RETAILING FROM 9/6d. TO 58/6 TAX FREE



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toilet soap for all who take extra care

Germicidal - Deodorant - Beautifying

ROBERTS WINDSOR LTD, LONDON, WINDSOR, NOTTINGHAM



Synfoam SUPER HONEYCOMB ALL-PURPOSE SPONGE

FULLY SYNTHETIC

STANDARD SIZE (Approx. 5"x3½"x1⅝") Retail Price 2/10
LARGE SIZE (Approx. 5¾"x3¾"x1¾") Retail Price 3/9
USUAL DISCOUNTS

Each Sponge in a 3-coloured transparent sleeve—Each dozen in 4-coloured show carton—12 dozens in Cardboard Box

Obtainable from YOUR USUAL WHOLESALER or contac
FLETCHER & FARLOW LTD., Finsbury Co urt, Finsbury Pavement, London, E.C.2. *Tel: MONarch 6810*

"SYNFOAM SUPER" SELLS ON SIGHT!

BUTTERSCOTCH BRAND

Malt and Cod Liver Oil

With the flavour that CANNOT be copied

We are the premier firm supplying Chemists "own name" packs

IMPORTANT

Make sure of your stocks against the possibility of severe Winter epidemics.

JEFFREYS, MILLER & COMPANY LIMITED, LEYLAND MILLS WIGAN

Ayrtons LIVERPOOL

ANTISEPTIC CREAM

is now on SCOTTISH I.T.V.

and in the Scottish T.V. GUIDE



Obtainable from the following Wholesalers

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W. & R. Hatrick Ltd. Glasgow
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Brown, Gray & Co. Ltd., Glasgow
New Apothecaries Co. Ltd., Glasgow
T. & H. Smith Ltd., Edinburgh
Pinkerton, Gibson & Co. Ltd., Edinburgh
Raimes Clark & Co. Ltd., Edinburgh
Harleness Beaumont & Co. Ltd., Edinburgh
John Miller, Dundee
James Taylor (Irongate) Ltd., Dundee

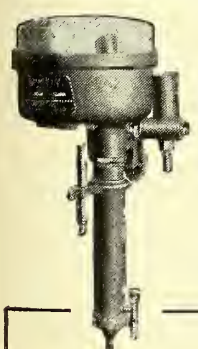
Manufactured by

AYRTON, SAUNDERS & CO. LTD. HANOVER ST. LIVERPOOL

MANESTY

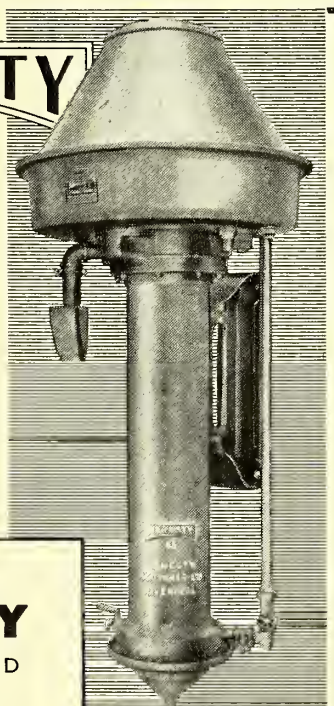
AUTOMATIC

Water Stills



OB GAS Output 3 pints per hour

4B STEAM HEATED Output 50 gallons per hour



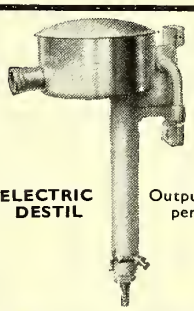
World-famed for their design, careful construction and low cost of operation, Monesty Stills ensure a constant supply of fresh pure distilled water above the requirements of the British Pharmacopoeia.

Nineteen models are available for heating by gas, paraffin, electricity or steam, with hourly outputs from 2 pints to 50 gallons.

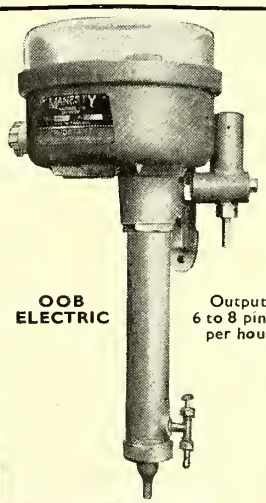
Each model is supplied with a wall bracket to save space.

OB and OOB Models are available with vitreous-enamelled boiling chambers (inside and outside), condenser pipe, wall bracket and weir chamber. Other fittings chromium plated.

Detailed illustrated leaflets on request.



ELECTRIC DESTIL Output 2 pints per hour



OOB ELECTRIC Output 6 to 8 pints per hour

MANESTY

MACHINES LIMITED

SPEKE · LIVERPOOL 24

Telephone: Hunts Cross 1972

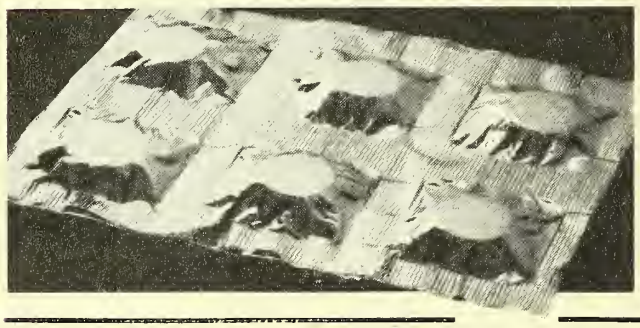
Telegrams: Manesty Liverpool 24

★ *We are Exhibiting at the International Packaging Exhibition Sept. 8th to 18th STAND 13E GRAND HALL OLYMPIA*

TABLET MACHINES · GRANULATORS · MIXERS
COATING PANS · PUNCHES AND DIES

New Contraceptive tablet





MALLPAS is a new and highly effective contraceptive tablet with a foaming base. It has been subjected to the most exhaustive tests and has given complete satisfaction.

It is clean and harmless and each tablet is individually air sealed in hygienic foil pack to keep in perfect condition.

MALLPAS contraceptive tablets are being extensively advertised in the National Press.

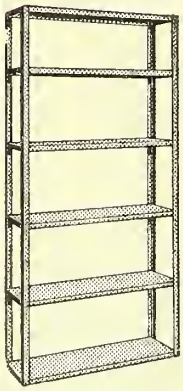
Write today for details of our generous discounts.

MALLPAS

MALLPAS (PHARMACEUTICALS) LTD.
379 St. John Street, E.C.1.
Tel: TERminus 8127

Export Enquiries Invited.

STEEL SHELVING



72" HIGH 34" WIDE 12" DEEP

- ★ Brand new — manufactured in our own works.
- ★ Shelves adjustable every inch.
- ★ Heavy gauge shelves will carry 400 lb. each.
- ★ Stove enamelled dark green.
- ★ 6 shelves per bay— Extra shelves 8/- each.
- ★ Quantity discounts.

DELIVERED FREE TO ENGLAND, SCOTLAND, AND WALES

£3·15

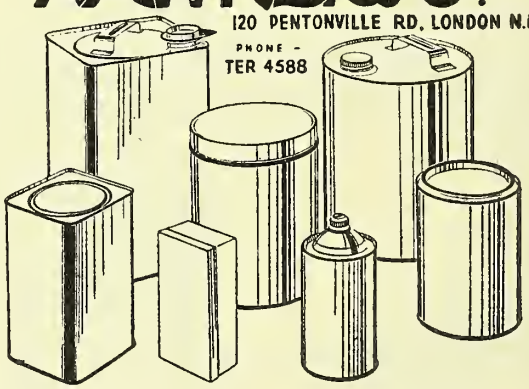
Also available in White at £5 per bay

N·C·BROWN LTD

SHELVING DIVISION, HEYWOOD, LANCS. PHONE:- 69018 (6 lines)

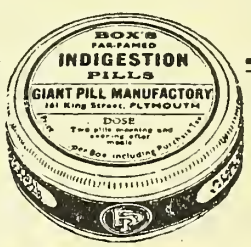
HAWKER & Co.

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PHONE - TER 4588



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60 Years' Repute as the Family Remedy for Indigestion



P.A.T.A. Retail Prices 1/7, 3/8, 6/-, 13/9, 25/- (including tax).

BOX'S

INDIGESTION PILLS

W. H. BOX, 47 COBOURG ST., PLYMOUTH

BEST-SELLERS ALL the year round!



"Sun-tang"

'NIAGARA' Blackcurrant Syrup

Sun-tang—made from *whole* oranges sugar and glucose—contains Vitamin C, essential to good health

Niagara—made from Blackcurrant juice and sugar—rich in Vitamin C —the perfect drink for young and old alike.

More customers are asking for both these delicious, health-giving drinks. Meet the extra demand by ordering ample stocks NOW and make sure of year-round profits.

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For all ETHICALS

Smith & Hill service Is second to None

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"Three houses combining to give an unrivalled service to pharmacists in the North Midlands"

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Smith & Hill (Chemists) LTD.

MATILDA STREET, SHEFFIELD 1
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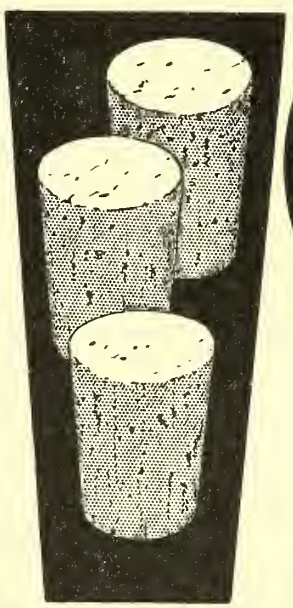
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ILFORD. Just off Broadway, established drug store, very good position, room for pharmacy. Good lease. Suit multiples and chemists. Freehold available. Box C 2376.

APPOINTMENTS

BROOKWOOD HOSPITAL, KNAPHILL, WOKING

Assistant-in-Dispensing

Applications are invited for the above post. The successful candidate will be required to work under the supervision of the Chief Pharmacist, who is responsible for the preparation and issue of drugs and dressings for about 1,750 patients.

Salary scale £170 p.a. at age 16 years rising to £375 at age 22 years or over rising to a maximum of £490 p.a. (plus £20 p.a. for an approved qualification).

Professional and Technical Council B of Whitley Council conditions apply to the appointment which is subject to the provision of the National Health Service Superannuation Regulations.

The successful candidate will be required to pass a medical examination.

Accommodation available for female candidate for which a charge of £2 8s. per week will be made.

Applications giving particulars of age, experience and qualifications, together with names of two referees to the Physician Superintendent, as soon as possible. C 417

CANADA

WANTED—Male or Female Pharmacist to act as Assistant Pharmacist in the dispensary of fully accredited, modern, 365-bed general hospital. Commencing salary $305.00 per month (equivalent in English pounds approximately £108 per month).

Apply: Mr. R. A. Jones,
Personnel Officer,
St. Thomas-Elgin General Hospital,
St. Thomas, Ontario, Canada
C 9542

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Senior Pharmacist and Pharmacist

for Bethnal Green Hospital. Modern department approved for training students. Salary scale, Senior Pharmacist £675—£865 p.a. Pharmacist £605—£815 p.a., plus higher qualification allowance and London Weighting. Please apply with details of age, training and experience to the Group Secretary, 213 Kingsland Road, London, E.2. C 344

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE, BETHNAL GREEN HOSPITAL, CAMBRIDGE HEATH ROAD, LONDON, E.2

Locum Pharmacist

required to cover periods of annual leave up to October 3 for three general hospitals. Salary 18 guineas per week. Please apply to Chief Pharmacist, Bethnal Green Hospital, Cambridge Heath Road, E.2. (Phone: Advance 3413.) C 447

CITY GENERAL HOSPITAL, SHEFFIELD, 5

Senior Pharmacist

Applications are invited for the appointment of a Senior Assistant (Senior Pharmacist grade) at the above Category V hospital. Principal duties will involve the development and maintenance of a small sterile products unit. The post offers excellent opportunity to extend experience in hospital pharmaceutical practice.

Salary on scale £675—£865 per annum (additional £25 p.a. if holding a higher qualification). Apply giving full details of age, qualifications, experience, etc., and the names of two persons for reference to the Group Secretary, Sheffield No. 1 Hospital Management Committee, Nether Edge Hospital, Sheffield, 11. C 9602

HERTFORD COUNTY HOSPITAL, HERTFORD

(21 miles from London)

Senior Pharmacist (Category III)

Applications are invited for the above post. Salary scale £675 to £865 p.a. Duties under direction of Chief Pharmacist and to commence September 1959. Department responsible for purchase and issue of drugs, dressings, surgical instruments and equipment for above and two other small hospitals, also for supervision of Central Sterilising Department.

Applications giving details of age, qualifications and experience, with names of two referees to Hospital Secretary, Hertford County Hospital, Hertford, Herts. C 9581

GROUP PHARMACEUTICAL DEPARTMENT, KENT AND CANTERBURY HOSPITAL, CANTERBURY

Post-graduate Student

Applications are invited for the appointment of a Post-graduate Student in the above department. Salary £400 per annum. The Chief Pharmacist will be pleased to answer any enquiries about this post. Applications with full details to be sent to the Group Secretary, Central Office, Nunnery Fields Hospital, Canterbury. C 9603

HILL END HOSPITAL, ST. ALBANS, HERTS

Dispensing Assistant

male or female, required at the beginning of November for full or part-time work. Salary as Whitley Council award. The Hospital is situated 20 miles from London with a ½-hourly coach service. Apply stating age and full particulars and experience to the Chief Pharmacist. C 9597

LEYTONSTONE (No. 10) HOSPITAL GROUP

Assistant-in-Dispensing

Applications are invited from persons holding the Certificate of the Society of Apothecaries of London, or an equivalent qualification, for the post of Assistant-in-Dispensing at Langthorne Hospital, Leytonstone, E.11.

Commencing salary according to age and experience, i.e., at age 22 £395 per annum rising by annual increments to a maximum of £510 per annum, plus London Weighting Allowance at the rate of £20 per annum, rising to £30 per annum at the age of 26 years. Additionally, a qualification allowance is payable at the rate of £20 per annum.

Application forms are obtainable from the Senior Medical Officer, to be returned as soon as possible. C 481

LEYTONSTONE (No. 10) HOSPITAL GROUP

Locum Pharmacist

Applications are invited for the post of Locum Pharmacist (to work under Chief Pharmacist) at Langthorne Hospital, Leytonstone, E.11 (Category I Hospital). Salary £18 18s. per week. The hospital is situated near the Central Underground line, within easy reach of Central London.

Applications to the Senior Medical Officer as soon as possible. C 477

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Appointments—Continued

GENERAL HOSPITAL, NOTTINGHAM
Locum Pharmacist

required immediately for the General Hospital and Eye Hospital.
Salary, £18 18s. per week.
Applications to the Group Secretary, General Hospital, Nottingham. C 473

LAMBETH HOSPITAL, BROOK DRIVE, S.E.11 (Acute General—501 beds)
Assistant-in-Dispensing

required. Whitley Council rates. Applications, stating age, experience and names of two referees to the Secretary. C 462

LEYTONSTONE (No. 10) HOSPITAL GROUP
Assistant-in-Dispensing

Applications are invited from persons holding the Certificate of the Society of Apotheearies of London, or an equivalent qualification, for the post of Assistant-in-Dispensing at Whipps Cross Hospital, Leytonstone, E.11.
Commeneing salary according to age and experience, i.e., at age 22 £395 per annum rising by annual inerements to a maximum of £510 per annum, plus London Weighting Allowance at the rate of £20 per annum, rising to £30 per annum at the age of 26 years. Additionally, a qualification allowance is payable at the rate of £20 per annum.
Application forms are obtainable from the Hospital Seeretary, to be returned as soon as possible. C 479

LEYTONSTONE (No. 10) HOSPITAL GROUP
Part-time Pharmacist

(to work under Chief Pharmacist) required at Langthorne Hospital, Leytonstone, E.11.
Salary is at the rate of £1 14s. 4d. for each four-hour session. Applications to the Senior Medical Officer as soon as possible. C 476

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1
Locum Assistant-in-Dispensing

required immediately for an indefinite period. Whitley Council salary and conditions of service. Further particulars can be obtained from the Chief Pharmaeist (Tel.: Stepney Green 4251) to whom applications should be sent as soon as possible. C 9456

LEYTONSTONE (No. 10) HOSPITAL GROUP
Pharmacist

Applications are invited for the post of Pharmacist at Whipps Cross Hospital, London, E.11 (Category V Hospital).
The hospital is ideally situated, being on the Central Underground Line within 20 minutes of Central London.
Application forms from the Hospital Secretary to be returned as soon as possible. C 478

METROPOLITAN HOSPITAL, KINGSLAND ROAD, LONDON, E.8
Locum Pharmacist

required to work in a modern department. Apply to Hospital Seeretary. C 445

SEAMEN'S HOSPITALS MANAGEMENT COMMITTEE
Pharmacist

required from September 28, 1959, for duties under Chief Pharmaeist at Dreadnought Hospital, Greenwieh. Salary and conditions of service in aeeordanee with Whitley Council regulations, Staff flat available if required. Applications stating age, qualifieations and experience, together with the names and addresses of two referees, to be sent to the Group Seeretary, Dreadnought Seamen's Hospital, Greenwich, S.E.10. C 9620

MID-WALES H.M.C.
Chief Pharmacist (Category III)

Applieations are invited for the above post for the Group Pharmacy. This is a pioneer appointment and the successful applieant will be required to orgarise and develop a new pharmaceutical serviee for the Group and also will be required to assist in the planning of a department in a new hospital unit to be built in the near future.
Terms and conditions of service in accordance with Pharmaceutical Whitley Counеil agreements. Salary Scale, Category III, £815 by eight inerements to £1,115.
Applieations giving full details of qualifications and experienee together with the names and addresses of three referees to the Group Secretary, 31 North Parade, Aberystwyth, Cards, by September 7, 1959. C 9570

ROYAL BERKSHIRE HOSPITAL, READING
Pharmacist (Category V)

Vacancy in well-established group pharmaceutical department for Pharmaeist seeking wide experience. Ability rewarded by promotion within Group. Full establishment of supporting staff. Applications to Group Pharmacist. C 472

SHREWSBURY HOSPITAL GROUP, SHELTON MENTAL HOSPITAL
Chief Pharmacist

Applications are invited from suitably qualified ladies and gentlemen for the post of Chief Pharmacist, single-handed, at the Shelton Hospital (Mental). House may be available. Salary—£700 x £35 (1) x £30 (3) x £35 (1) x £30 (2) x £25 (1) to £945. Conditions of service as preseribed by the Pharmaceutical Council of the Whitley Council. Annual leave 21 days, plus all Bank Holidays. The appointment will be subject to the provisions of the National Health Service (Superannuation) Regulations. Applications, accompanied by the names and addresses of three referees, should be addressed to the Medical Superintendent, Shelton Hospital, Shrewsbury. C 9596

SOUTH LONDON HOSPITAL FOR WOMEN AND CHILDREN, CLAPHAM COMMON, S.W.4 (Acute General, 254 beds)
Senior Pharmacist

required. Applications stating age, qualifications, experience and names of two referees to the Secretary. C 469

ST. BARTHOLOMEW'S HOSPITAL, LONDON, E.C.1
Locum Pharmacists

Vaeaneies exist for Locum Pharmacists from the 31st August, 1959. £18 18s. per week. Applications, in writing, to Chief Pharmacist. C 9595

ST. LAWRENCE HOSPITAL, CHEPSTOW, MON. (129 Plastic Surgery, 50 Orthopædic beds)
Dispenser

required, Apothecaries Hall or equivalent. Salary: 18, £235; 19, £255; 20, £300; 21, £340; 22 and over £415 rising to £530. Good residential accommodation can be provided if required. Write quoting two referees to T. A. Jones, Group Secretary, 64 Cardiff Road, Newport. C 9604

ST. MARY'S HOSPITAL, CHILDREN'S DEPARTMENT, PRINCESS LOUISE KENSINGTON HOSPITAL FOR CHILDREN, ST. QUINTIN AVENUE, W.10
Pharmacist

required. Whitley Counеil salary and conditions. Applications to Secretary, from whom further particulars can be obtained. C 9473

SEAMEN'S HOSPITALS MANAGEMENT COMMITTEE
Pharmacist

required from 28th Septembcr, 1959, for duties under Chief Pharmacist at Dreadnought Hospital, Greenwich. Salary and conditions of serviee in aecordanee with Whitley Counеil regulations. A staff flat will be available. Applications stating age, qualifications and experience, together with names and addresses of two referees, to be sent to the Group Secretary, Dreadnought Seamen's Hospital, Greenwich, S.E.10. C 9613

THE GENERAL HOSPITAL, DEWSBURY, YORKS
Pharmacist

required immediately for modern department in a Category III hospital. Post offers good experience ineluding small-scale manufacturing. Salary scale £605—£815 per annum.
Applications giving age, experience and qualifications, together with the names and addresses of two referees to be sent, as soon as possible, to the Administrative Officer at the hospital. C 9605

THE ROYAL INFIRMARY OF EDINBURGH AND ASSOCIATED HOSPITALS (1,400 beds)
Senior Pharmacist and Pharmacist

Vaeancies exist for:—
(1) Senior Pharmacist. Salary £675 to £865 per annum.
(2) Pharmacist. Salary £605 to £815 per annum.
For both appointments higher qualification allowances and fees for evening duties will be paid.
Applications stating age, qualifications and experience, together with the names of two employer referees, should be addressed to the Personnel Officer, Royal Infirmary, Edinburgh, 3. C 9609

WEST MIDDLESEX HOSPITAL, ISLEWORTH, MIDDLESEX
Assistant-in-Dispensing

required in Pharmaceutical Department for varied duties. Salary £395 per annum at age 22, rising to £510, plus London Weighting (additional payment of £20 per annum for suitable qualifications).
Apply giving names of two referees to the Chief Pharmacist. C 480

YORK "A" AND TADCASTER HOSPITAL MANAGEMENT COMMITTEE
Senior Pharmacist

required for Group Pharmaceutical Service based at Fulford and Maternity Hospitals, York.
Pharmaceutical Whitley Council conditions of service. Salary scale is £675 x £30 (1) x £35 (1) x £30 (3) x £35 (1) to £865 p.a.
Applications giving details of age, qualifications, experience and names of two referees to Group Secretary, Bootham Park, York. C 9622

YORK "A" AND TADCASTER HOSPITAL MANAGEMENT COMMITTEE
Pharmacist

required for County Hospital, York. Salary £580 x £30 (6) to £760 x £25 (1) to £785 p.a. plus £25 p.a. higher qualification allowance, e.g., F.P.S., A.R.I.C. Applications stating age, qualifieations, experienee and names of two referees to Group Secretary, Bootham Park, York. C 9621

SITUATIONS VACANT

RETAIL (HOME)

BRANCH MANAGER PHARMACIST. A branch manager/manageress Pharmacist required for suburban branch. Wages, plus emoluments, in excess of £1,000 per annum. Possibility of housing aecommodation being arranged. Applications in writing to the Personnel Manager, Portsea Island Society, 110 Fratton Road, Portsmouth. C 470

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RIKER LABORATORIES LIMITED

EXPORT SALES DEPARTMENT

Riker Laboratories Limited have a vacancy in their Export Sales Department for a Pharmacist or other suitably qualified person to work under the direction of the Export Sales Manager on the technical aspects of selling ethical pharmaceuticals in the Company's export market.

Riker is a relatively new Company in the International Pharmaceutical Field and the post provides an excellent opportunity for a pharmacist to gain experience in export matters. His duties will become increasingly important as the Company's export business increases.

Applications should be made in writing, in the first instance, and be addressed to the Personnel Manager, Riker Laboratories Limited, Loughborough, Leics.

C 9584

Situations Vacant—Continued

EDGWARE. Mainly dispensing with some counter work. Forty-hour week including two evening duties to 10 p.m. One Sunday duty in four. Permanent. Derek Clarke, 85 Station Road. EDG. 2061. C 482

LEAMINGTON SPA. Manager or manageress required for busy pharmacy. Good supporting staff. Apply C. Daykin, 6 Market Corner, Leamington Spa. C 2369

OLDHAM CO-OPERATIVE CHEMISTS, LTD., invite applications for position of pharmacy branch manager, either sex. Modern accommodation available if necessary. Superannuation. Salary and other emoluments at least £960. Applications, stating age, experience, etc., to Oldham Co-operative Chemists, Ltd., King Street, Oldham. C 454

PETERBOROUGH. Pharmacist required to supervise our main pharmacy. Inclusive salary to commence £1,150 per annum. House available at a reasonable rent. Pleasant locality. Excellent conditions of employment. Superannuation with transfer clause. Interview at our expense by appointment. Please forward usual details to Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough. C 2377

PETERBOROUGH. Pharmacist required for approximately two months. Duties mainly dispensing. Excellent conditions of employment. Please quote terms and usual details to Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough. C 2381

PHARMACIST required as Branch Manager for shop 3 minutes from Victoria Station, London. Average dispensing, family trade. No rota or Sunday duty, early closing Thursday. Write Superintendent, Box C 2333.

RECENTLY qualified Pharmacists, excellent salary and future prospects. Write E. T. S. Steel, PC., "West Shore," Hythe, Southampton, Hants. C 2319

SCOTLAND. Required shortly, pharmacist (male or female) with energy and initiative to set up and develop shop now building in attractive and growing West Stirlingshire village. Small flat above. Applications giving details previous experience, age, salary required to Box C 2353.

RETAIL (OVERSEAS)

CHEMIST REQUIRED FOR UGANDA, two-year contract. Salary £100 monthly. State qualifications. Box C 2373.

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FIRST-CLASS Sales Representatives with established connections amongst stores and chemists are offered excellent opportunities for nationally advertised cosmetics and perfume. Basic salary and high commission rate. London and Birmingham areas. Please write giving full particulars, also districts covered to Box C 9574.

SHOPS TO LET

with maisonnettes
in monopoly trading positions serving extensive housing estates

(adjoining F. W. WOOLWORTH & CO. and other multiple concerns)

AT

ADDLESTONE (Surrey); BASINGSTOKE (Hants); GILLINGHAM (Kent); SELSDON (Surrey); WATERLOOVILLE (Hants).

UNIQUE OPENING FOR CHEMIST
NO DUPLICATION OF TRADES

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NORMAN HIRSHFIELD & PARTNERS
85 GEORGE STREET, PORTMAN SQUARE, W.1.
WELbeck 9145 (5 lines) C 9582

ESTABLISHED manufacturer wishes to appoint sole-selling agents calling on large multiples, chemists, wholesalers, etc. Willing to manufacture under customer's own name if desired. Competitive prices ensure large sales. Apply with details of connection to Box C 9611.

FIBRENYLE, LTD., the well-known manufacturers of Skylon Polythene Containers, require additional representatives for London and the Midlands. Suitable persons will be required to call on wholesale and manufacturing chemists. Persons with contacts in the trade preferable but not essential. Remuneration in accordance with age and experience. Car allowance and expenses. Apply in first instance to R. K. Amigo, Director, Fibrenyle, Ltd., 16 Gorst Road, London, N.W.10. C 9617

PHARMACEUTICAL manufacturers, London area, have vacancies for 1. Sugar Coater, conversant with coloured work; 2. Experienced Tablet Maker. Apply giving details of career to Box C 9601.

PRICING CLERK required for ethicals and patents. Please state age, experience and salary required to Bradley & Bliss, Ltd., Wholesale Chemists, 107 West Hill Road, St. Leonards-on-Sea, Sussex. C 2379

PROCESS WORKER, experienced in manufacture of pharmaceutical ointments, emulsions. Good salary and conditions. Apply giving full particulars to Biorex Laboratories, Ltd., 47/51 Exmouth Market, London, E.C.1. TERminus 9494. C 9616

DUE TO PROMOTION within the company, SMITH & NEPHEW, LTD., manufacturers of the world-famous Elastoplast and Nivea products, require a representative to call on wholesale and retail chemists in Central London (including West End). Applicants must have an established connection with the distributive outlets in the area mentioned and should not be over 35 years of age. Remuneration will be in the form of salary, commission and out-of-pocket expenses. Attractive pension scheme, company car provided. Reply in confidence, giving details of experience and present position to:—

Trade Sales Manager,
SMITH & NEPHEW, LTD.,
Welwyn Garden City, Herts.
C 9567

ROCHE
THE CHANCE OF A STEADY CAREER

Opportunities are offered to outstanding young men with drive and initiative wishing to start as medical representatives. A pharmaceutical qualification/experience or equivalent academic attainment essential. Vacancies occur in:

1. **London, East, and Essex.**
2. **Leicester; South Staffordshire.**

Good salary, exceptional pension scheme, full expenses; successful applicants are assisted to own their own cars. First-class candidates desiring success and security should apply with full details to the Secretary, Roche Products, Limited, 15 Manchester Square, London, W.1. Applications will be treated as confidential. C 9618

SANDOZ PRODUCTS LTD

require additional

FIRST-CLASS MEDICAL REPRESENTATIVES

A continued policy of expansion has resulted in the creation of several vacant territories in England and one in Scotland (S.W.).

These appointments offer secure, interesting and rewarding careers to men with enthusiasm and integrity. Salary and commission depend initially on age, qualifications and previous experience but are designed subsequently to recognise individual merit, initiative and achievement. Pension Fund, Accident Insurance, and Car Purchase schemes are in operation, and full expenses are paid.

Candidates should preferably possess a pharmaceutical or equivalent qualification but applicants with a suitable technical background will be considered. Upper age limit is 40 years.

This is an opportunity to join a stable team of representatives and to become a member of a Company which markets products deriving from its own original research.

All enquiries will be regarded as confidential

Application form upon request:

THE MANAGEMENT
SANDOZ PRODUCTS LIMITED
SANDOZ HOUSE, 23 GREAT CASTLE STREET
LONDON, W.1

C9577

RIKER LABORATORIES LTD.

NEW ZEALAND REPRESENTATIVE

Riker Laboratories Limited wish to appoint their first Medical Representative for New Zealand. This post presents an exceptional opportunity for the right man as it is expected that the representative force in New Zealand will be enlarged and operated under his supervision.

Applications are invited from New Zealand pharmacists wishing to return home or from pharmacists with representative experience in this country wishing to emigrate to New Zealand. Full training will be given in England and free passage to New Zealand for the successful applicant and his family will be provided. Apply in writing, in the first instance, to the Personnel Manager, Riker Laboratories Limited, Loughborough, Leics.

C 9583

IMPERIAL CHEMICAL INDUSTRIES LIMITED

PHARMACEUTICALS DIVISION

MEDICAL REPRESENTATIVE

Imperial Chemical Industries Limited is increasing its sales force by appointing an additional Medical Representative in Northern Ireland and applications are invited from men up to 35 years of age with a sound pharmaceutical or medical background. The successful candidate will receive an initial period of training or there will be additional training if he lacks experience of Medical Representative work. Applications with full particulars should be addressed to the Staff Manager, Imperial Chemical Industries Limited Pharmaceuticals Division, Fulshaw Hall, Wilmslow, Cheshire.

C 9569

A TECHNICIAN

is required for the setting up of equipment in the Packaging Department of a pharmaceutical company. Applicants should preferably be familiar with various types of fillers, labelling machines, carton erectors, etc. Failing this applications will be considered from persons with mechanical aptitude and some experience in the light engineering industry.

The salary offered will depend upon age and experience. A pension scheme is in operation as well as other amenities.

Apply in the first instance to:—

The Personnel Manager,
Riker Laboratories Limited,
Morley Street,
Loughborough, Leics.

C 9608

Situations Vacant—Continued

REPRESENTATIVE required for Scottish territory for medical detailing and sales to pharmacists. Salary, expenses and commission. Pensionable position, car provided. Full details of experience, salary required, to Box C 9607.

T. & H. SMITH, LTD., EDINBURGH,

the parent company of a large and expanding pharmaceutical and fine chemical group of companies, desires to engage an assistant to the Secretary, with a view to appointment as Assistant Secretary in about one year and with further prospects for advancement.

Qualifications required are a good university degree preferably in science (chemistry), some industrial, commercial and/or chemical patent experience and knowledge of, or interest in, company secretarial practice, including patents and trade marks. Age 28-33 years, salary according to qualifications and experience.

Applications with full, detailed curriculum vitae to be addressed to Managing Director, marked "Secretarial Division." C 9612

AGENTS WANTED

WILL ANY AGENT already calling on wholesale chemists, etc., who can handle additional non-clashing line please contact Mr. Peters, Somportex, Ltd., 53/4 St. John's Square, London, E.C.1. Phone: CLE. 4464. C 2375

EXPERIENCED AGENT required by tablet manufacturer for Scotland. Extensive existing accounts capable of development by a man with connections and knowledge of the area. Generous commission. Company car supplied if required. Box C 9606.

SITUATIONS WANTED

RETAIL (HOME)

PHARMACIST/CHIROPODIST, M.P.S.N.I., M.S.S.Ch., seeks suitable position in England from mid-October. Accommodation in pleasant surroundings essential. Please reply stating full terms and salary to Box C 2370.

WHOLESALE

GENTLEMAN, 37, ex-apprentice/student, knowledge retail, wholesale, manufacturing distribution, latter with accounting/secretarial duties, ten years West Africa, desires executive/representation post. Box C 2372.

PHARMACIST, for many years successful retailer, own business, wishes change as medical representative or sales director with progressive firm. Position must give scope for energy and drive. Age 48. Irish qualification. Box C 2365.

TABLET AND PILL MAKER and coater desires change of position. 32 years' experience. Able to take charge. Box C 2382.

WOULD THE MANAGEMENT of a progressive company be interested in my services. For the past ten years I have been concerned with the sale of chemical and pharmaceutical products in both the British and overseas markets. I now seek a position with a company who is prepared to allow me to concentrate on developing sales where none at present exist. Salary must be commensurable with the effort I am prepared to put into the position. My age is 26 years. Box C 2374.

WHOLESALE (OVERSEAS)

EUROPEAN COMMON MARKET. British chemical and/or pharmaceutical manufacturers contemplating the establishment in Holland of a subsidiary company are invited to contact young energetic Dutchman, having extensive practical chemical, pharmaceutical, and commercial experience and commanding three languages, desirous to join as buyer, representative, correspondent or translator. British and Dutch references available. Also willing to join a progressive company in Great Britain in any of the above functions. Letters, Box C 2371.

MALTA. Thirty-seven-year-old qualified chemist and fifth-year medical student, owner of pharmacies, very active and enterprising, with many contacts, offers services as medical and/or sales representative in Malta to major pharmaceutical firm. Box C 2364.

SWISS SENIOR EXECUTIVE, 25 years in chemical/pharmaceutical industry, offers services for expansion overseas markets or opening new territory. Top qualifications and experience in European and world markets, having held responsible posts with chemical firms international repute. Personal knowledge sales possibilities in India and Pakistan, E. Africa and Congo, South America through residence these areas and highly successful promotion. Fully conversant import and marketing legislation and local manufacture by subsidiaries. Languages French, Portuguese, Spanish, German, Italian, Urdu. Available interview U.K. or Continent. Box 1273, St. François, Lausanne, Switzerland. C 2378

WANTED

BUYER specialises in disposing of job lots of any lines appertaining to pharmacy. Any quantity considered. Prompt cash settlement. Willing to discuss adaptation of any line which is not quite suitable in its present state. Please send samples and full details to N. Morris, 218 Walworth Road, S.E.17. Tel. No.: ROD. 7261. C 395

MANESTY B3 rotary tablet machine or similar, Box C 2362.

WANTED

SURPLUS CAMERAS, ENLARGERS, CINE CAMERAS & PROJECTORS, PHOTOGRAPHIC EQUIPMENT OF EVERY DESCRIPTION, SURPLUS AND OUTDATED FILM & PAPER, LARGE OR SMALL QUANTITIES. Phone, write or call:—

SPEARS
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Phone: Blackfriars 1916
Bankers: Midland Bank, Ltd.
C 438

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